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NIH Career Development (K) Awards provide support for research careers

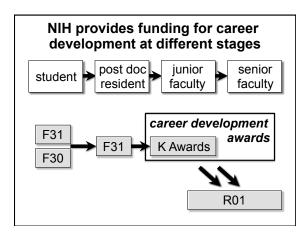
- ~2.4% NIH budget: ~\$705 million (FY10)
- •~4,335 awards (FY10)
- currently 14 different types (K01-K99)
 - for clinicians & basic scientists
 - for junior & senior faculty
- Mentored K awards designed for postdocs & junior faculty —> K01, K08, K23, K99/R00

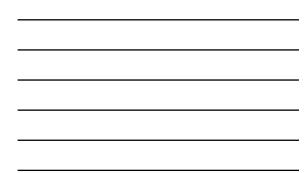
The Goal of Mentored K Awards

To provide support and "protected time" (3-5 years) for an intensive, supervised career development experience in the biomedical, behavioral, or clinical sciences leading to research independence.

A dedicated mentor is essential for

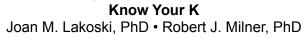
- successful application
- successful outcome

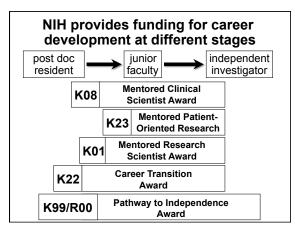




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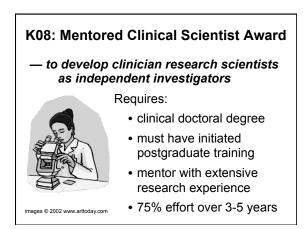
NIH Career Development Award Workshop











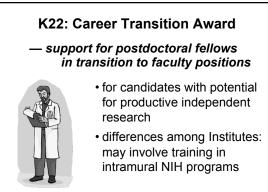
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K23: Mentored Patient-Oriented Research Career Development Award — to develop investigators committed

to patient-oriented research

Requires:

- clinical or nursing doctoral degree
- completion of all clinical training
- mentor with extensive research experience
- 75% effort over 3-5 years



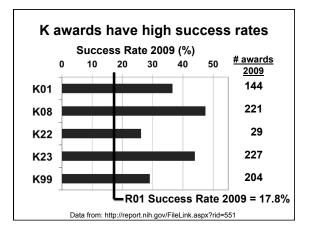
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K99/R00: Pathway to Independence Award - to facilitate independent funding earlier in an investigator's career • for highly promising postdoctoral scientists • established in response to increasing age of first independent support • non-citizens are eligible

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Common features of K Awards

Eligibility:

- doctoral degree
- US Citizen, non-citizen national, or permanent resident (except K99/R00)
- not eligible if previous PI on R or K grants

Duration: 3-5 years

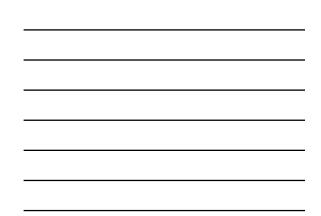
Effort: minimum 75%

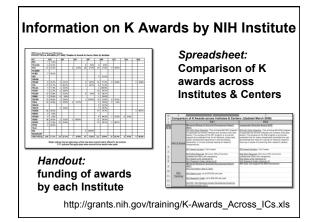
Other individual K Awards

- **K02** Independent Scientist Award
- K05 Senior Scientist Research & Mentorship
- K07 Academic Career Award
- K18 Career Development Award in the Environmental Health Sciences / Career Enhancement Award for Stem Cell Research
- K24 Midcareer Investigator Award in Patient-Oriented Research
- K25 Mentored Quantitative Research Development Award
- K26 Midcareer Investigator Award in Mouse Pathobiology Research

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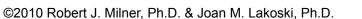




There are three deadlines per year
for submission of K Awards

Receipt	Review	Council	Start
Feb 12	June-July	Sept-Oct	December
June 12	Oct-Nov	Jan-Feb	April
Oct 12	Jan-Feb	May-June	July

- applications must be received electronically on or before the receipt date
- applications are submitted by institutional officials
- your Grants Office may have a much earlier submission deadline

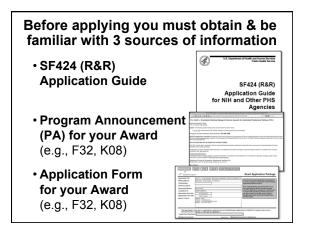


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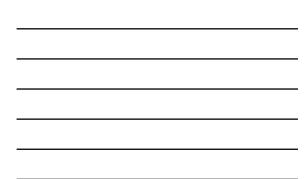
K Awards are reviewed by 5 criteria

- Candidate
- Career development plan
- Research strategy
- Mentor
- Environment & Institutional commitment

Remember the criteria as you write your proposal!

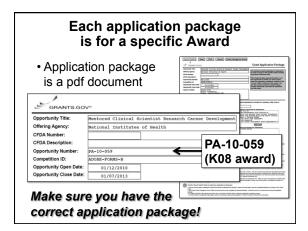


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ADOBE FORMS B1
Opportunity Title: ULI Patholy to Independence Award (Parent K99/R00) Offering Agency: National natitutes of Health CFDA Description: Opportunity Number: Description: Descrip

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Application for a K award should be a collaboration between you & your advisor

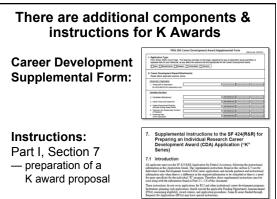
You (the "applicant") are **Principal Investigator**

- you are responsible for submitting the application
- you write the research training plan in collaboration with your sponsor

Your advisor/mentor is the Sponsor

· she/he must write sections of the application

You must involve your advisor/mentor early & often in crafting the application!



1	

• Consult with your grants office for help in completing

Complete the Cover Component

Title: limited to 81 characters & spaces

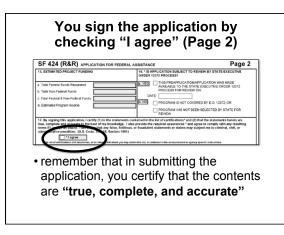
the forms

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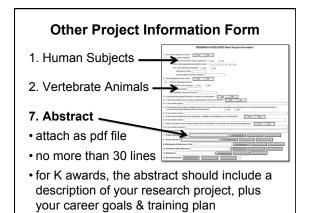
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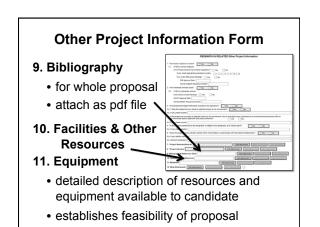
NIH Career Development Award Workshop

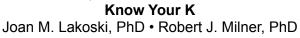
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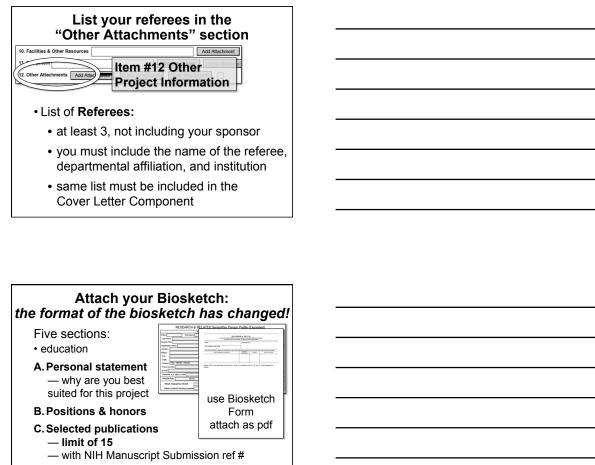




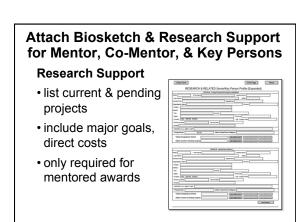




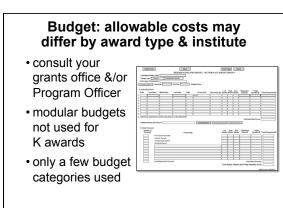








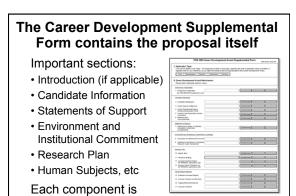
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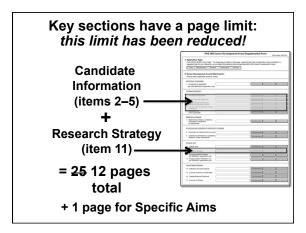
- Cover Letter Component
 - required for mentored K awards
 - must include list of references
- Cover Page Component
- Checklist
 - follow general instructions
- Career Development Supplemental Form

Watch for changes in forms!



attached as a separate pdf

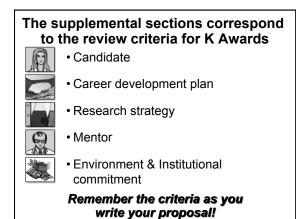
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Tip: write the Candidate Information & **Research Strategy as a single document** · better able to assess fit to 12 page limit • then separate into sections for uploading as pdfs • NIH will not count white space generated as part of page limits 2. Candidate's Background Candidate Information 1 3. Career Goals & Research 1. Career Development Plan (12 pages 5. RCR Training total) → 11. Research Strategy





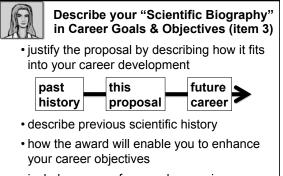
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Candidate's Background (item 2)

- describe any relevant information about you that is not included in your Biosketch
- e.g., research, clinical training experience
- **be succinct:** this section is included in the 12-page limit!



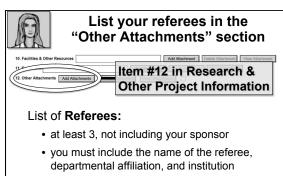
 include reasons for any changes in career direction



Mentored K Award applications require letters of reference

- required for K01, K08, K22, K23 & K99/R00 applications
- 3–5 letters from individuals other than those involved in the application
 - i.e., not sponsor/mentor or collaborators
- should address candidate's competence & potential as an independent investigator

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 same list must be included in the Cover Letter Component



Reference letters are submitted through the eRA Commons

Instructions for referees: http://grants.nih.gov/grants/funding/424 Referee_Instructions_Mentored_Career_Awards.doc

- complete & send instruction form to each referee
- letters must be submitted within
 5 days of application submission date

Refe	ree Instructions for Mentored Research Career Development Awards:
Name	d Candidate (Find & Last Name as shown in the aRA Commone)
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11.740	pages to less (PDF format), describe the qualities and potential of the sanddate for the samer development assert for which report is being requested. This should include your evaluation with special reference to:
	potential for conducting research; entitiess of originality; advisory of energinality; advisory of energinality;
- 2	quality of research endeavors or publications to date, if any, conventment to health oriented research, and
	need for further research experience and training any additional related comments that the referee may wish to provide
Pears	put the name of the candidate at the top of the letter. Also, be sure to include your name and title in the letter.
Subm	Hing Reference Letters
Letter	may be submitted directly to the aRA commons at
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Yps w	I be requested to enter the following information on-line at the time of submission:
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	Referee M Name Regiment
	Referee department (Required)
	editate information
	PTs last name, as it appears on the PTs Commons account (Required) (will be validated to ensure they match)



Tips for Best Reference Letters

- develop effective working relationships with potential referees
- keep your referees updated on your progress
- make your referees' job easy, provide:
 - current CV, reprints
 - draft of proposal

Remember: this is a personal & professional relationship that may last your entire career

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A

"Applicants must include a cover letter"

- list Referees (including contact information)
- can request assignment to a specific Institute and/or review panel:

Application Title

Please assign this application to the following:

Institute/Center: National Cancer Institute (NCI)

- Scientific Review Group:
 - Cancer Etiology Study Section (CE)

Describe what you will learn in the Career Development Plan (item 4)

describe new skills & knowledge

- provide details of courses & workshops
- define distribution of effort for activities
 (use timeline)
- relate activities to career development & research plans

Proposing to do what you already know will be viewed as having no training potential!



Items that you must include in a Career Development Plan

Describe your goals:

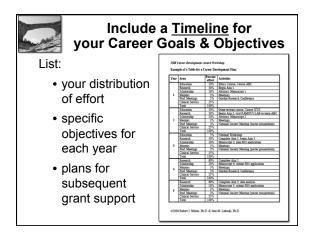
- what you hope to achieve . . .
- describe specific activities designed to achieve each goal
- include a specific aspect of advanced research training and professional skills (e.g. training in grant writing)
- describe how your institutional environment will enhance your success in achieving your goals

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Your mentor(s) must describe detailed plans for mentoring

- the specific expertise of your mentors and how their guidance will help you to achieve your goals
- the specifics of mentoring, including frequency of meetings (e.g., weekly)
- consider adding an Advisory Committee to monitor your progress every 6 months



	should "develop by a researcher"
should be hypothesis	-driven
 not overly ambitious of 	or routine
The format of the Res changed:	earch Plan has
 Specific Aims (1 page) 	age)
 Research Strateg 	y:
a) Significance	Experimental details
b) Innovation	should be cited using references & not
c) Approach	described in detail!

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The *Mentor* must have a strong record of research and mentoring

- Your mentor should meet these qualifications (& document them adequately!)
- If not, provide a plan to correct any deficiencies:
 co-mentor(s)
 - mentoring advisory team



Statements by Mentor must also explain how award will develop candidate's career

Should include:

- plans for candidate's career development
- source(s) of support for research project
- supervision & mentoring of candidate
- · candidate's teaching load (if any)
- plan for transition of candidate to an independent investigator

A strong statement of Institutional Commitment is essential (item 9)

- on institutional letterhead
- commitment to candidate independent of award
- agreement to provide protected time for candidate's research & career development



• equipment, lab space, office, facilities, resources

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