



Career Development Awards at NIA/NIH

Laura Major, DrPH, Training Officer
NIA Office of Strategic Extramural Programs
March 22, 2024
RCCN Webinar

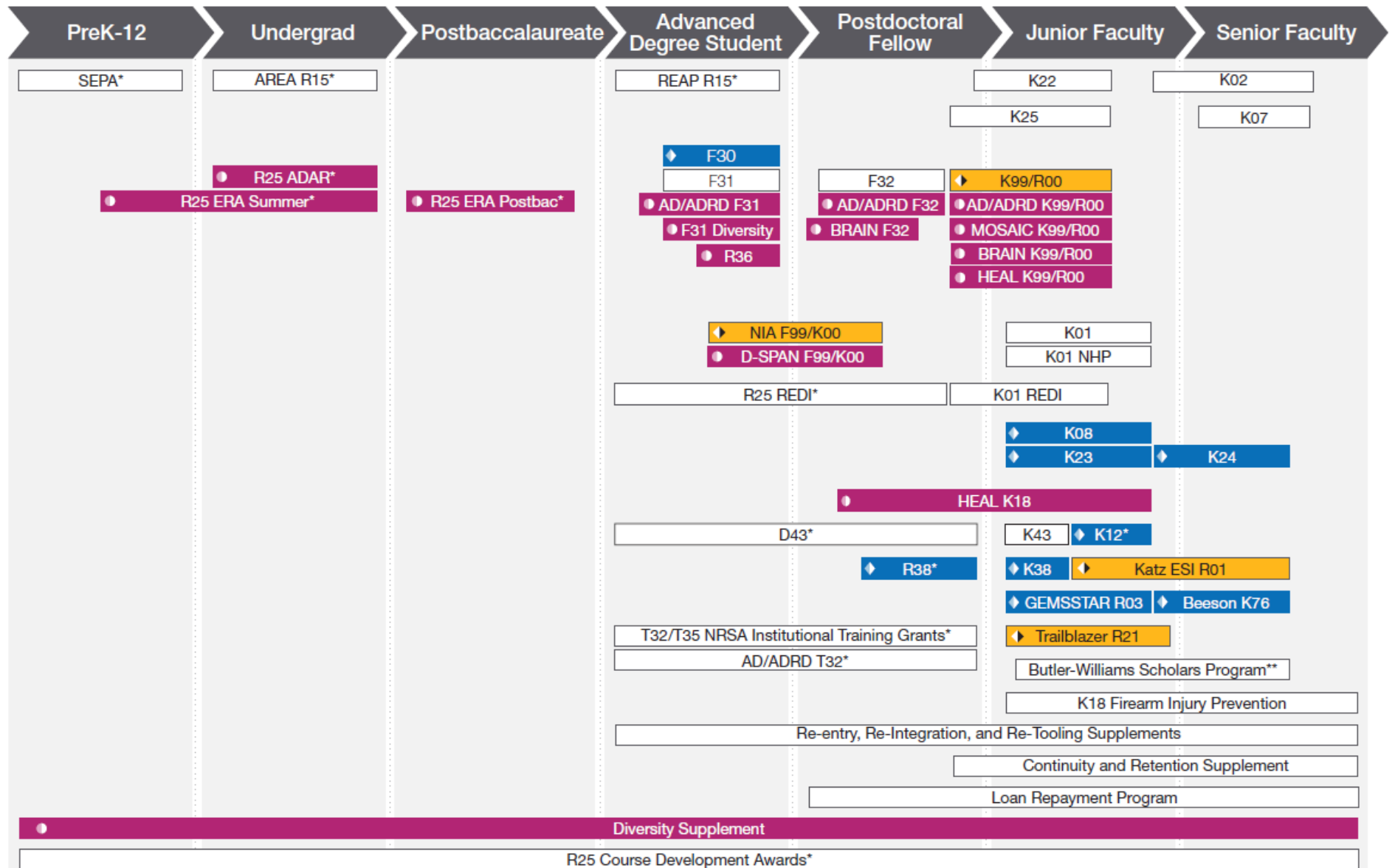
NIA Training and Career Development Landscape

Key

- Diversity
- ◆ Clinician-scientist
- ▶ No U.S. citizenship or permanent residency requirement

* Institutional
** NIA-hosted program

- Acronyms**
- AD:** Alzheimer's Disease
 - ADAR:** Advancing Diversity in Aging Research
 - ADRD:** Alzheimer's Disease and Related Dementias
 - AREA:** Academic Research Enhancement Awards
 - BRAIN:** Brain Research through Advancing Innovative Neurotechnologies
 - D-SPAN:** Diversity Specialized Predoctoral to Postdoctoral Advancement in Neuroscience Award
 - ERA:** Expanding Research in AD/ADRD
 - ESI:** Early Stage Investigator
 - HEAL:** Helping to End Addiction Long-term
 - GEMSSTAR:** Grants for Early Medical/Surgical Specialists Transition to Aging Research
 - MOSAIC:** Maximizing Opportunities for Scientific and Academic Independent Careers
 - NHP:** Non-Human Primate
 - NIA:** National Institute on Aging
 - NRSA:** National Research Service Award
 - REAP:** Research Enhancement Award Program
 - REDI:** Research and Entrepreneurial Development Immersion
 - SEPA:** Science Education Partnership Award



Why seek career development (K) awards?

- They fund protected research time to learn new skill sets
- They can foster early independence
- They help attract additional funding or support

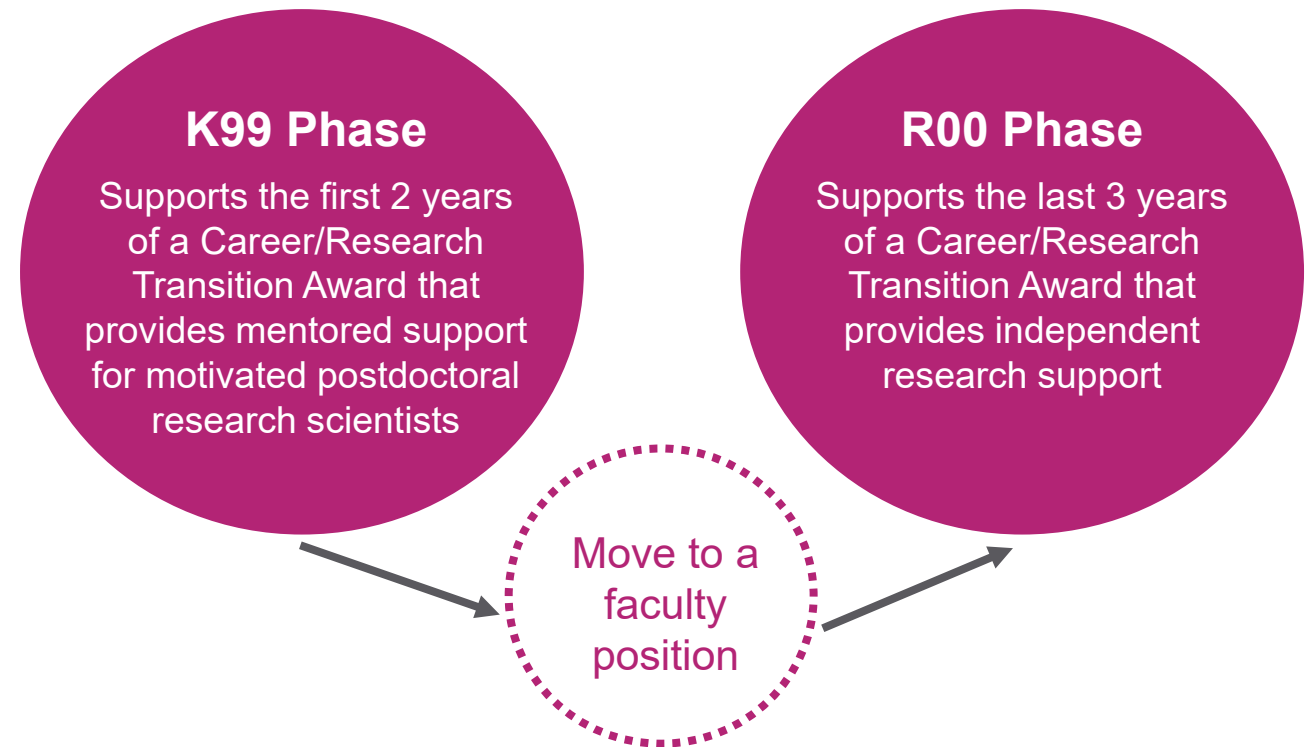


Mentored Career Development Awards (K)

Career Transition Awards	K99	Pathway to Independence Award
	K22	Career Transition Award
Career Development Awards	K01	<ul style="list-style-type: none"> Mentored Research Scientist Development Award, REDI K01 Mentored Career Development Program for Early Stage Investigators Using Nonhuman Primate Research Models
	K08	Mentored Clinical Scientist Research Career Development Award, Translational and Clinical Research
	K23	Mentored Patient-Oriented Research Career Development Award
	K25	Mentored Quantitative Research Development Award, open to quantitative scientists without prior wet lab research background
	K76	Paul Beeson Emerging Leaders Career Development Award in Aging

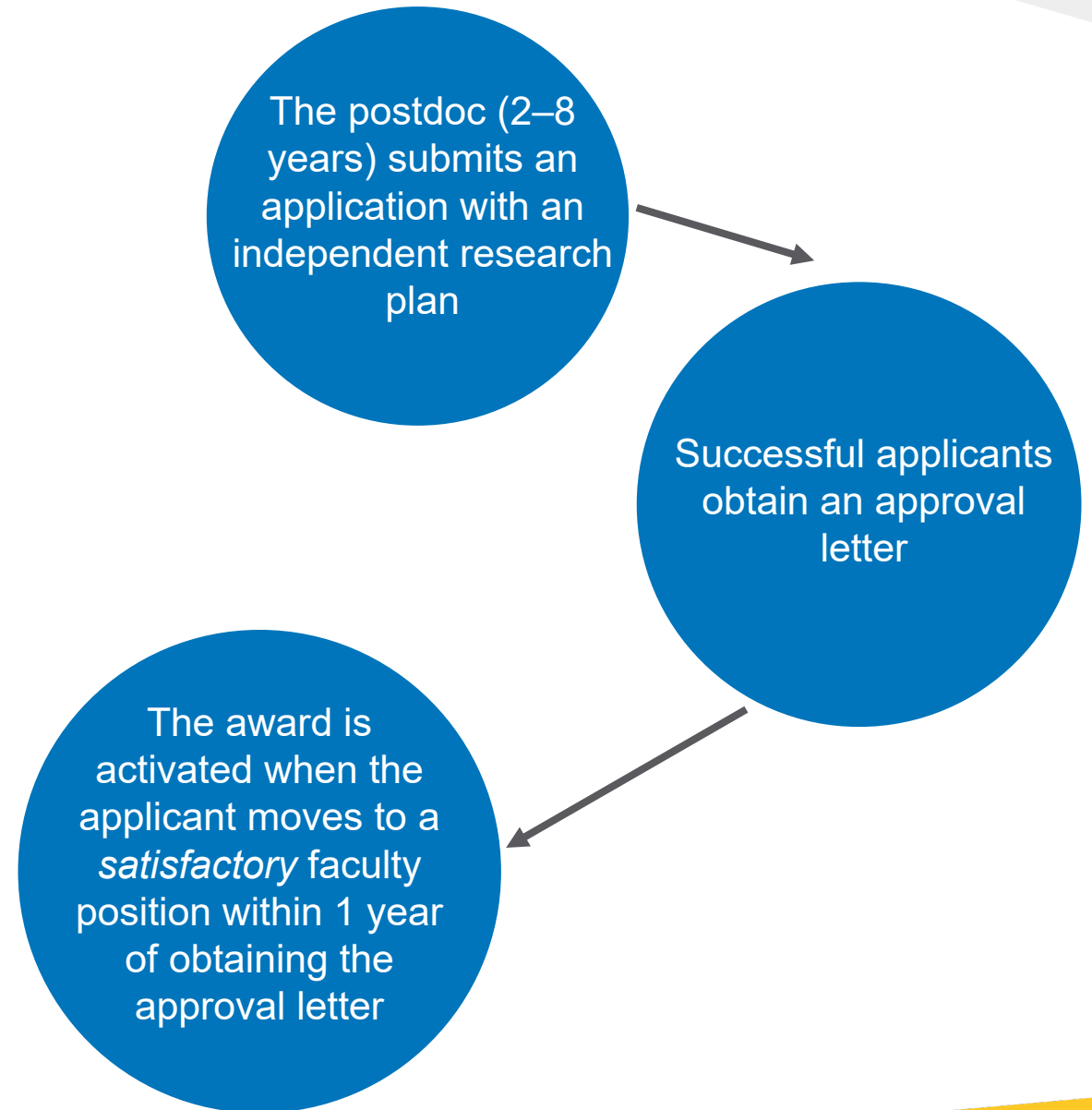
What is a K99/R00 award?

- Popular transition award — garners the most career development award applications at NIA
- Intended to create a mentored transition into a faculty position
- 2 phases:
 - K99 (postdoctoral; up to 2 years)
 - R00 (junior faculty; 3 years)
- R00 transition is not automatic and must be continuous
- [NIA Sample K99/R00 Applications](#)



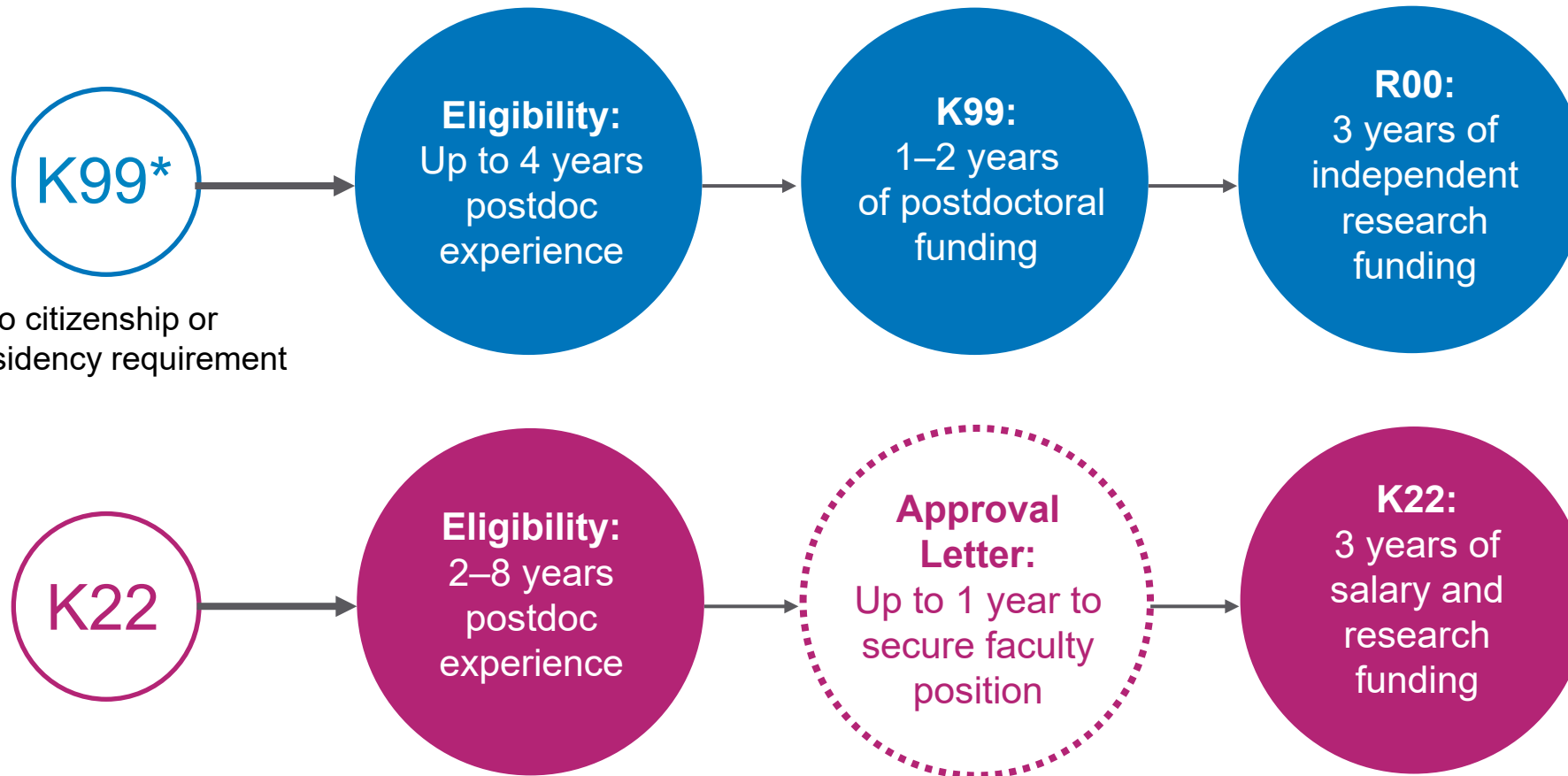
What is a K22 award?

- Another transition award without a mentored phase
- Intended to promote transition into a faculty position
- 1 phase: K22 (junior faculty; 3 years)
- Award activation is not automatic and is activated once the trainee secures a satisfactory faculty position



NIA Career Transition Awards

For postdocs preparing to become faculty



*No citizenship or residency requirement

K99 and K22 opportunities supported by NIA

Award	Name	Discipline	Funding Opportunity Announcements
Parent K99/R00	NIH Pathway to Independence Award	All aging research	PA-20-187 PA-20-188 PA-20-189
AD/ADRD K99/R00	Advanced Postdoctoral Career Transition Awards to Promote Diversity in Translational Research for AD/ADRD	Drug discovery or data science research in AD/ADRD	PAR-21-220
MOSAIC K99/R00	Maximizing Opportunities for Scientific and Academic Independent Careers Award to Promote Diversity	All aging research	PAR-21-271 PAR-21-272 PAR-21-273
BRAIN K99/R00	BRAIN Initiative Advanced Postdoctoral Career Transition Award to Promote Diversity	BRAIN Initiative research areas	RFA-NS-19-043 RFA-NS-19-044
NINDS AD/ADRD K99/R00	NINDS AD/ADRD Advanced Postdoctoral Career Transition Award to Promote Diversity	NINDS AD/ADRD priorities	PAR-22-022
NIA K22	NIA Career Transition Award	All aging research	PAR-24-120

Mentored Career Development Awards (K)

K01

K08

K23

K25

K76*

- Provide up to 5 years of funding
- Salary: \$75k-100k, require 75% effort
- Research: \$20k-50k
- U.S. Citizenship or permanent residency required by time of award
- Can apply to many as a postdoc, may require faculty position by time of award

K01

Mentored Research Scientist Development Award

- Up to 5-year award; up to \$75,000 salary and \$20,000 research support
- Allows senior postdocs to apply; 2nd most applied to K award
- By the time of award **must hold an academic position**
- Letter of institutional commitment showing noncontingent availability of research resources equivalent to those available to a tenure-track faculty member
- [NIAID Sample K01 Applications](#)

K01 opportunities supported by NIA

Award	Name	Discipline	Funding Opportunity Announcements
Parent K01	Mentored Research Scientist Development Award	All aging research	PA-20-176 PA-20-190 PA-20-191
REDI K01	NIA Research and Entrepreneurial Development Immersion (REDI): Mentored Entrepreneurial Career Development Award	Multiple career options - research and teaching faculty, entrepreneurial, industry, science policy, research administration	PAR-22-227
Nonhuman Primate Research K01	Mentored Career Development Program for Early Stage Investigators Using Nonhuman Primate Research Models	Preclinical and clinical applications of nonhuman primate models	PAR-23-073

Research and Entrepreneurial Development Immersion (REDI)

Opportunity	Award	Due Date
RFA-AG-22-227 (REDI: Mentored Entrepreneurial Career Development Award; clinical trial not allowed)	K01	October 17, 2024
RFA-AG-22-226 (REDI: Entrepreneurship Enhancement Award; clinical trial not allowed)	R25	October 17, 2024

REDI focus areas: Develop specialized skills for career success



Bio-Entrepreneurship



Intellectual Property



Science Communications, Policy, and Education



Regulatory Affairs



Drug Discovery, Approval, and Production



Consulting

I am a....

I should apply for...

Postdoc with a vision for research in my own lab, but I still have quite a bit to learn before I'm ready to embark on that research independently!

K99

Postdoc with a strong plan for independent research in my own lab, I'm ready to enter the tenure-track faculty job market!

K22

Still a postdoc right now, but I've accepted a faculty job offer. Or, I'm in negotiation stages and expect to start a faculty job in less than a year.

K01

Postdoc who just got promoted to research scientist / instructor / another non-tenure track faculty position, and I want to continue mentored career development.

K01

Postdoc who wants to explore! I want to learn about non-academic topics such as entrepreneurship, drug development, or regulatory affairs. I might bring that knowledge back to an academic career, or I might use it to move into another career.

REDI
K01

K08

Mentored Clinical Scientist Development Award

- Up to 5-year award; up to \$100,000 salary and \$25,000 research support
- Clinical doctoral degree
- By the time of award **must hold an academic position**
- Any topic related to aging, including working with animal models, on basic biology, on secondary data analysis, or advancement of theory
- [NIAID Sample K08 Applications](#)

K23

Mentored Patient-Oriented Research Career Development Awards

- Up to 5-year award; up to \$100,000 salary and \$25K-50K research support
- Clinical doctoral degree
- By the time of award **must hold an academic position**
- Must focus on [patient-oriented research \(POR\)](#)

K25

Mentored Quantitative Research Career Development Award

- Up to 5-year award; up to \$75,000 salary and \$40,000 research support
- Professionals with **quantitative and engineering** backgrounds
- Any level of experience, from the **postdoctoral level to senior faculty level**
- Candidates not expected to have significant experience in biomedical research, however the K25 award should enable to candidate to achieve independence in a biomedical field

K76

NIA Emerging
Leader Award

Paul B. Beeson Emerging Leaders Career Development Award in Aging

- **Eligibility:** Clinician-investigators with [Early Stage Investigator status](#)
- Must have already held faculty-level research support (e.g., R03, R21, private funding)
- Must show evidence of past leadership and commitment to future leadership
- **Budget:** Direct cost limit: \$225,000 per year covering salary and research support
 - Become a Beeson Scholar [blog](#) for important budget tips
- Attend Annual Beeson Scholars Meeting hosted by American Federation for Aging Research

Non-Mentored Career Development Awards (K)

For established investigators

Non-Mentored
Career
Development
Awards

K02	Independent Scientist Awards
K07	Academic Career Awards
K24	Midcareer Investigator Awards in Patient-Oriented Research

Keep in touch with NIA training staff

NIATraining@mail.nih.gov



Maria Carranza, Ph.D.



Jamie Lahvic, Ph.D.



Laura Major, DrPH

What to do next:

Email your policy or eligibility questions

Email specific aims in order to receive scientific feedback

Visit the [NIA Training website](#)

Sign up for the [NIA Training newsletter](#)