

Diversity-Focused Cancer Research Training Opportunities

Dr. Samson Gebreab

Center to Reduce Cancer Health Disparities (CRCHD)

National Cancer Institute

NCI Center to Reduce Cancer Health Disparities (CRCHD)

Diversity Training



Partnerships

- Partnerships to Advance Cancer Health Equity (PACHE)

Cancer Health Disparities Research

- Basic research
- Translational research

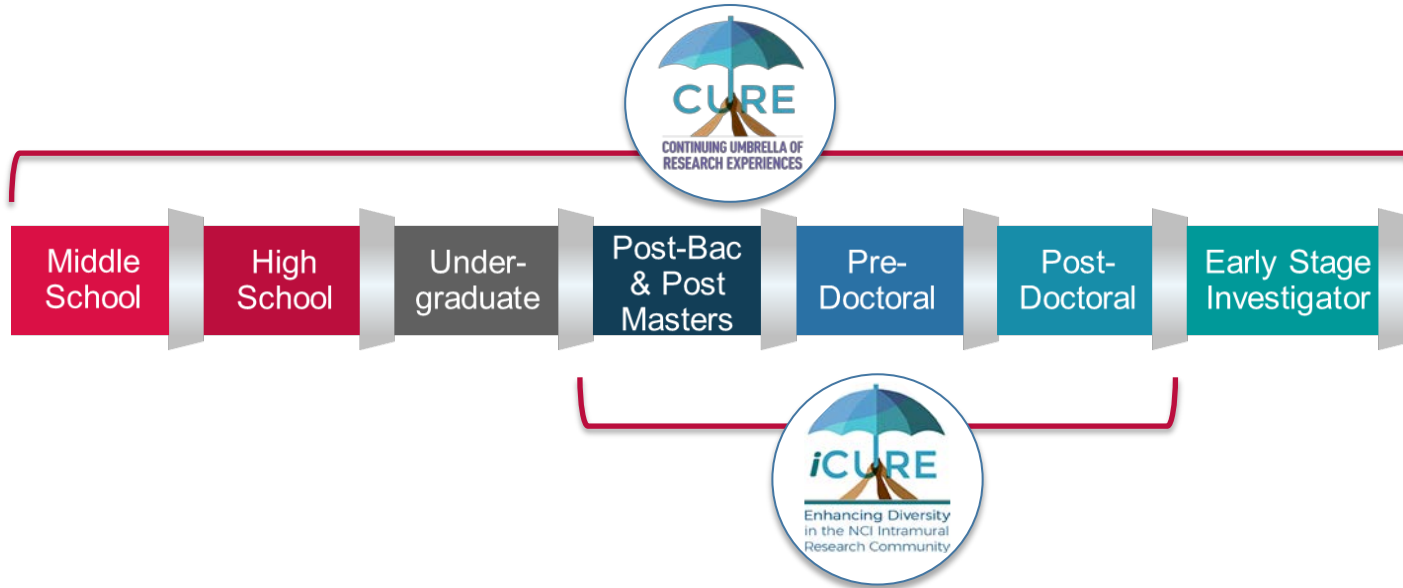
Networks

- Geographic Management of Cancer Health Disparities Program (GMaP)
- National Outreach Network (NON)
- CUSP2CT (RFA-CA-21-057)



NCI Diversity-Focused Training Programs

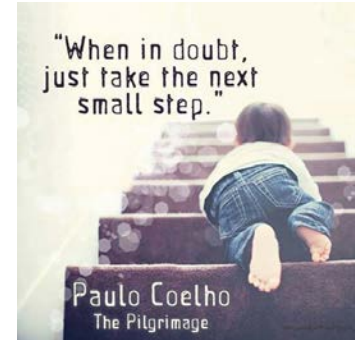
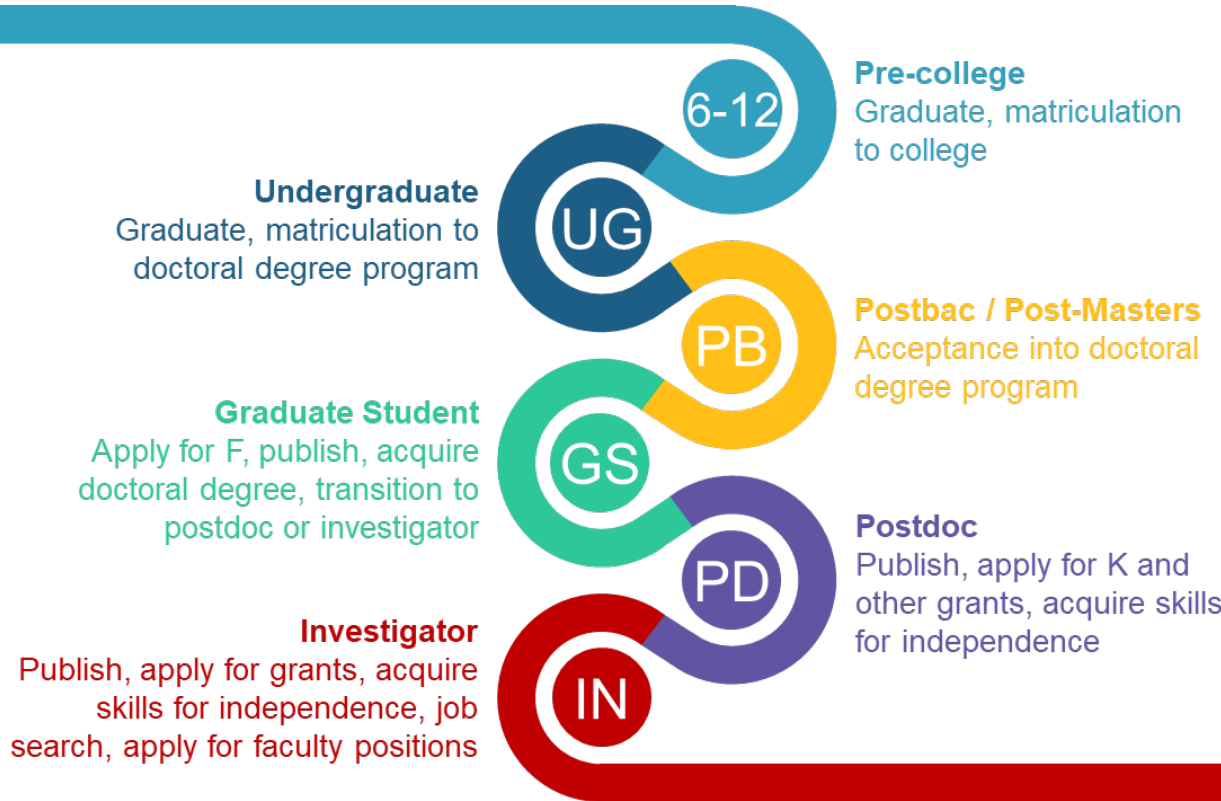
Extramural: Continuing Umbrella of Research Experiences (CURE)



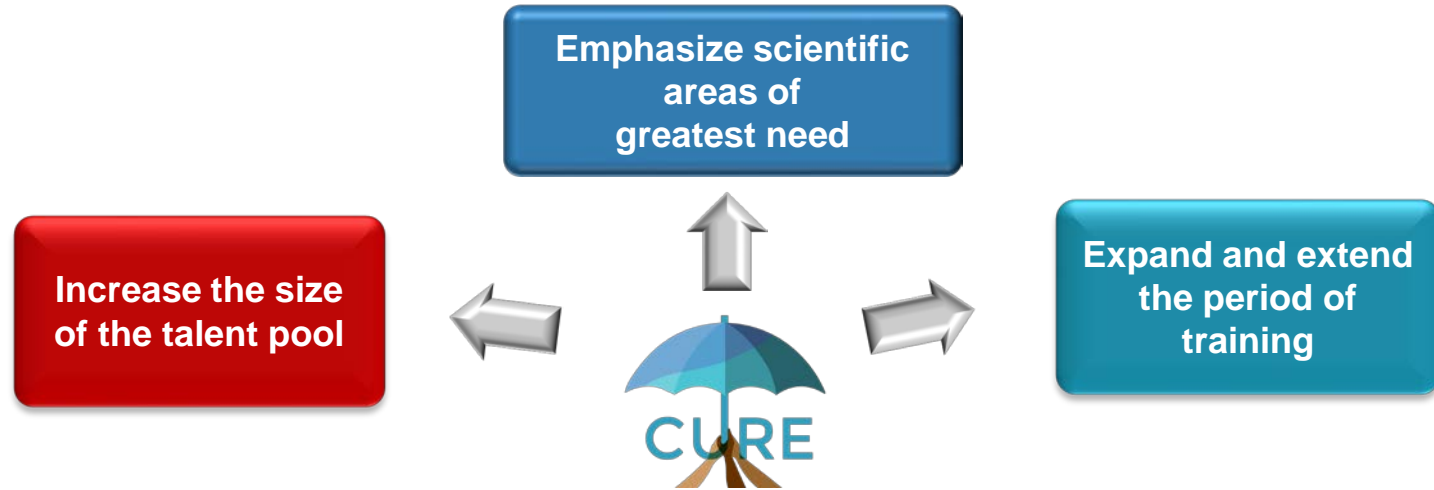
- Support research experiences of **underrepresented** students and scientists
- Promote professional and career development
- Help the trainees achieve research independence

Intramural: Intramural Continuing Umbrella of Research Experiences (iCURE)

CURE and iCURE Sets Clear Goals for Career Advancement



Extramural: Continuing Umbrella of Research Experiences (CURE)



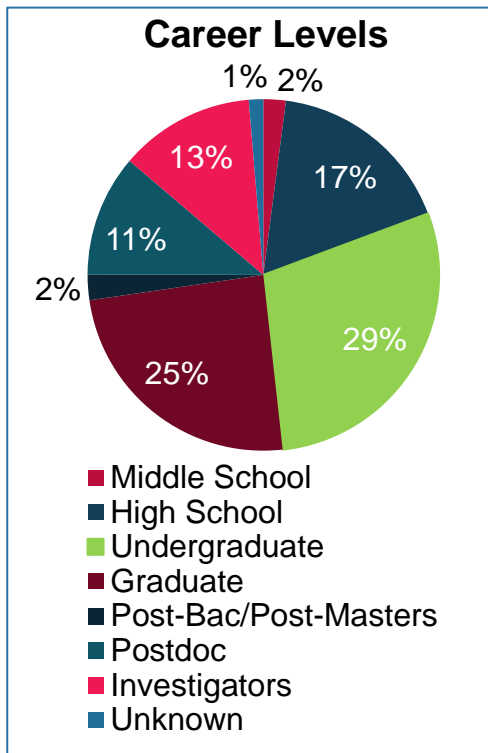
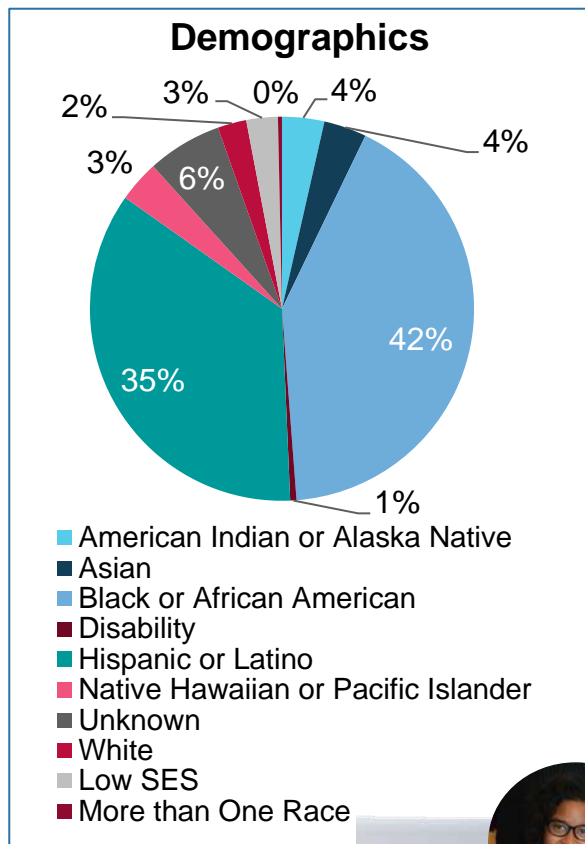
Focused on enhancing diversity: Trainees must be US citizen, non-citizen nationals or permanent resident

Race/Ethnicity

Disability

Disadvantaged
Background

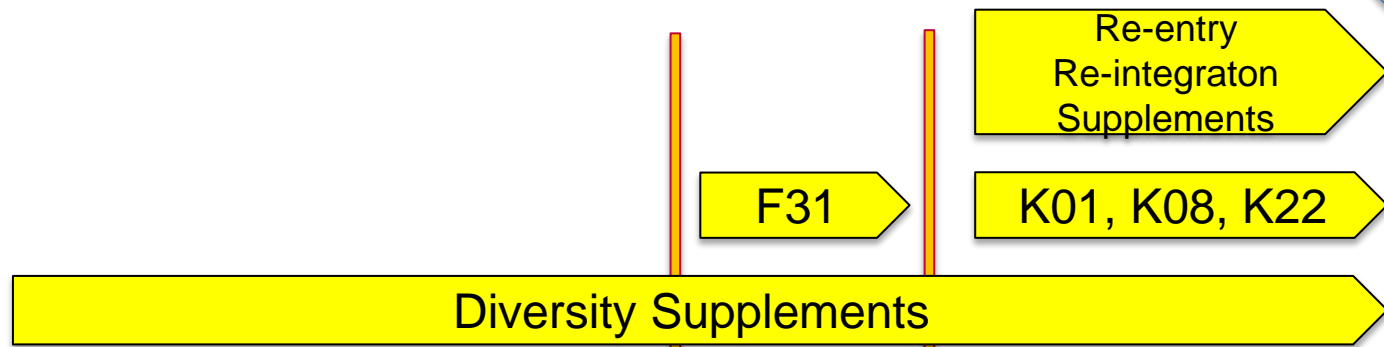
CURE Trainees (2001-2018, n = 4,753) are Diverse



CURE Funding Mechanisms



Individual Awards

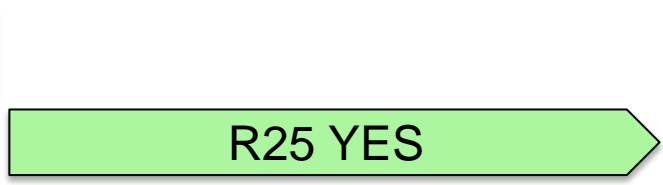


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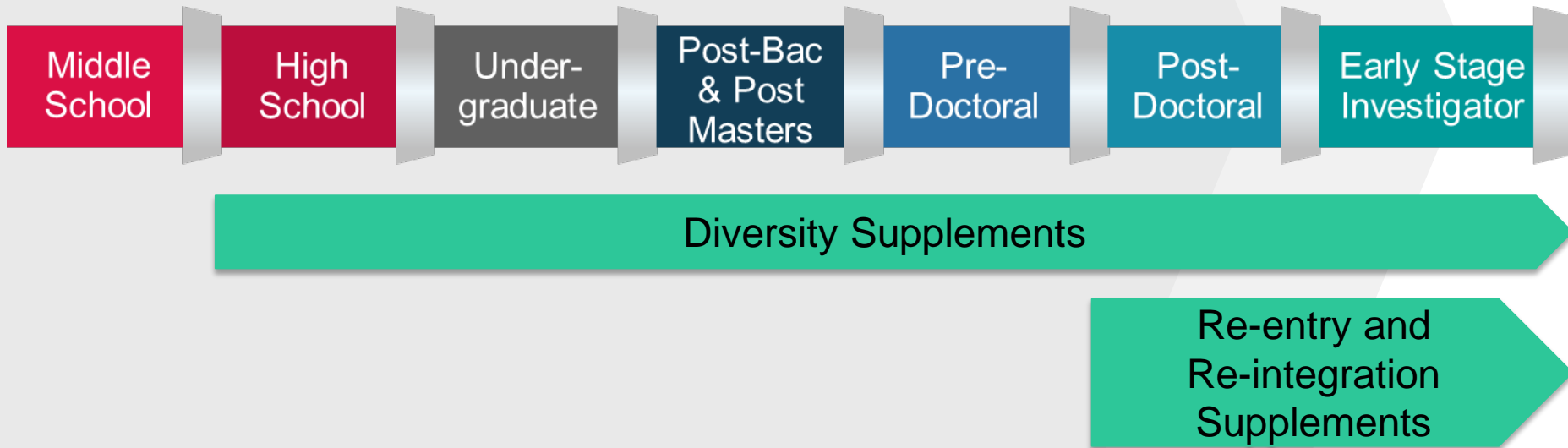
Institutional Awards



Individual Awards



Diversity and Re-entry and Re-integration Supplements



Supplements within the CURE: Diversity and Re-Entry and Re-Integration



- Provide additional funding to currently active NIH grants (parent grants) to support research experiences of trainees → **bridge** toward next career level
- Parent grant must have **at least two years** of active status left at the time of supplement application
- NCI does not accept P30, SC1/2/3 as parent grants for these supplements
- R01 or equivalent – 2 supplements at the same time; R21 or equivalent – 1 supplement at a time to support grad student or more junior
- Application receipt: **Oct 1 – Dec 1** and **Feb 1 – Mar 31**

Contact

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Research Supplements to Promote Diversity in Health-Related Research (PA-21-071, Diversity Supplements)



- Aims to support candidates from underrepresented populations: race/ethnicity, disability, disadvantaged background
- **Allowed one diversity supplement at each career level**
- <https://grants.nih.gov/grants/guide/pa-files/PA-21-071.html>
- Diversity Supplements: <http://www.cancer.gov/about-nci/organization/crchd/diversity-training/cure/DSGuidelines>

Diversity Supplements: Special Eligibility Criteria for Graduate Students and Postdoctoral Fellows



- **No concurrent PHS support for graduate student or postdoctoral fellow candidate at the time of application:**
 - Cannot be supported by parent grant
 - If coming off of institutional training grant, need letter from institution
- **AFTER application submission:**
 - Can be supported by the parent grant at the recipient's own risk, pending funding decision of supplement application

Notice of Special Interest (NOSI): Research Supplements to Promote Re-Entry and Re-integration into Health-Related Research Careers (NOT-OD-21-134, Re-Entry Supplements)

Re-entry supplement:

- Candidate must have been on hiatus from research for 1-8 years; must be postdoctoral fellow or faculty before hiatus



Re-integration supplement:

- Individuals adversely affected by unsafe or discriminatory environments due to unlawful harassment who need to make a rapid transition



- Aims to support candidates from all populations
- Each eligible grant can support only one ReRi supplement at a time
- <https://grants.nih.gov/grants/guide/notice-files/NOT-OD-21-134.html>
- <https://www.cancer.gov/about-nci/organization/crchd/diversity-training/cure/reentry-supplements-guidelines>

What Do We Look for in a Supplement Application?

Candidate	Mentoring and Career Development Plan	Research Plan
<ul style="list-style-type: none">• Motivation• Accomplishments• Career goals• Eligibility and diversity statement	<ul style="list-style-type: none">• Scientific proficiency and mentoring expertise of mentor(s)• Defined role(s) and commitment of mentor(s)• Training of career skills• Clear benchmarks• Candidate-specific plans	<ul style="list-style-type: none">• Relevancy to Parent Grant project• Scientific impact on Parent Grant project• Research design and feasibility• Alignment with candidate's career goals

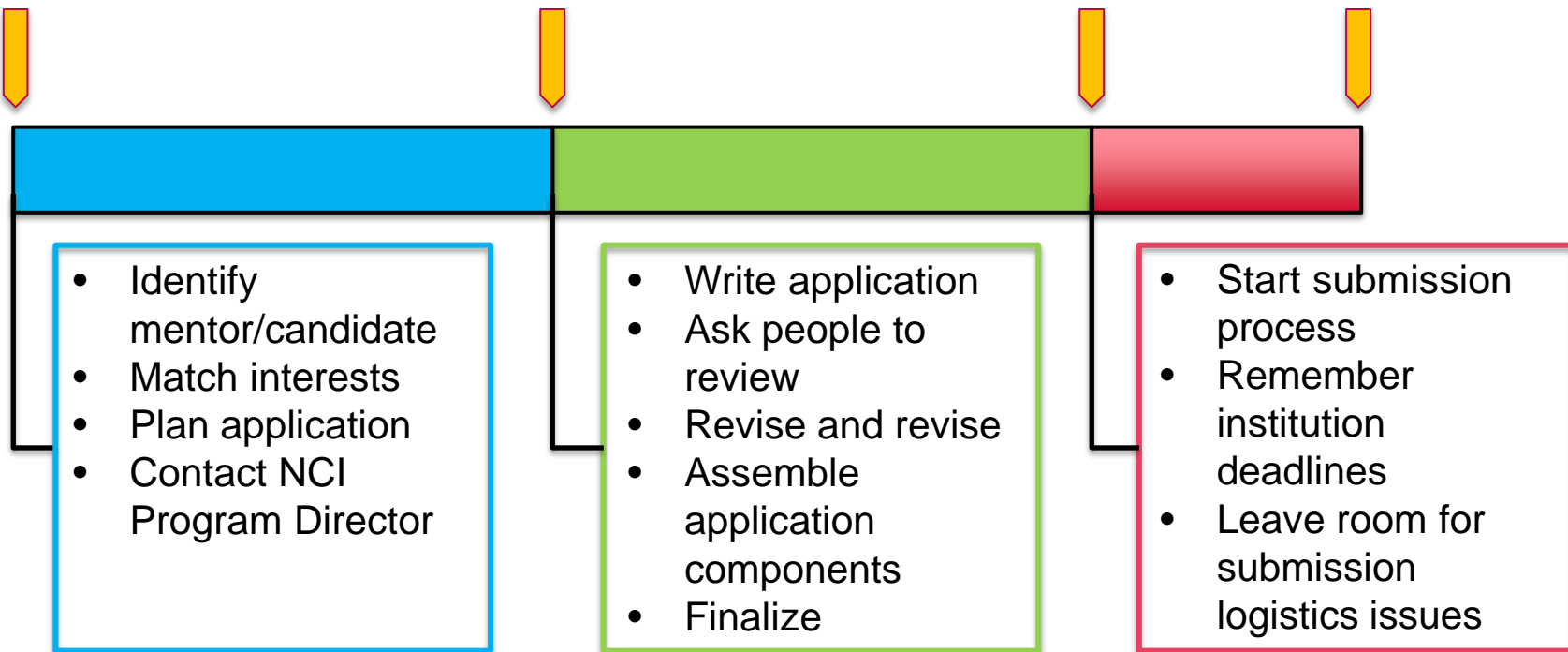
Suggested Timeline for Preparing a Supplement Application

5 Months
Prior

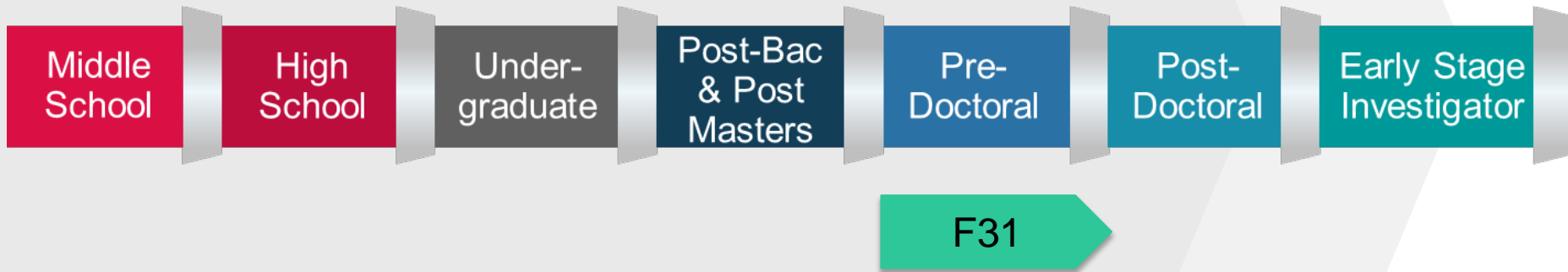
3 Months
Prior

1 Month
Prior

Submission
Deadline



Ruth L. Kirschstein NRSA Individual Predoctoral Fellowship to Promote Diversity in Health- Related Research (F31)



F31 Diversity Predoctoral Fellowship ([PA-21-052](#))

- **Objective:** To increase biomedical workforce diversity by supporting mentored research training leading to a PhD or combined dual doctoral degrees.
- **Benefits**
 - Individualized, mentored research training.
 - Experience conducting impactful research as well as presenting and publishing research findings as a first author.
 - Development of a stronger grants skillset which improves competitiveness for NIH funding.
 - **Student is the PI of the F31.**
- Support is provided for up to 5 (Ph.D.) or 6 years (combined degrees, ex.MD/PhD)

F31 Application and Contact

Receipt Cycle	Application Receipt Date	Initial Review	Council Review	Earliest Possible Start Date*
1	April 8	June/July	September/ October	December
2	August 8	October/ November	January/ February	April
3	December 8	February/ March	May/June	July

** Start dates are determined by the availability of NCI funds and may not occur until well after the earliest possible start date.*

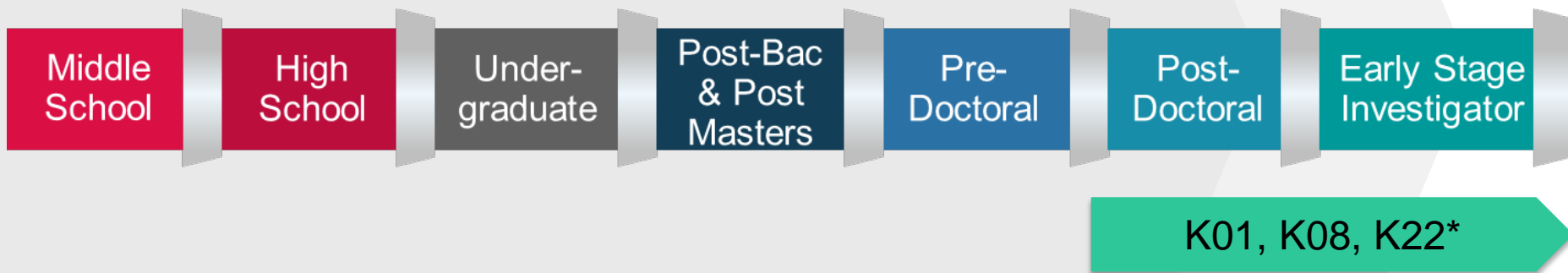
Contact

Dr. Anthony DiBello
anthony.dibello@nih.gov





Career Development K Awards to Promote Diversity



**Investigators in tenure-track faculty positions are not eligible*

NCI K Awards Supported by CRCHD

Next Submission Date: October 12 / November 12, 2021

K Award	Mentored or Non-Mentored	Research Focus	Salary up to	Max R&D Support	Duration
K01	Mentored	All Cancer-Related Research	\$100k	\$30k	3-5 years
K22	Non-Mentored			\$50k	3 years
K08	Mentored	Clinical, Translational & Patient-Oriented Research	\$189k	\$50k	3-5 years

Contact

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FOAs: Clinical Trial Allowed vs No Independent Clinical Trials

- Newly Re-issued FOAs

- NCI **Mentored** Research Scientist Development Award to Promote Diversity (K01)

PAR-21-295: <https://grants.nih.gov/grants/guide/pa-files/PAR-21-295.html>

PAR-21-296: <https://grants.nih.gov/grants/guide/pa-files/PAR-21-296.html>

- NCI **Mentored** Clinical Scientist Research Career Development Award to Promote Diversity (K08)

PAR-21-299: <https://grants.nih.gov/grants/guide/pa-files/PAR-21-299.html>

PAR-21-300: <https://grants.nih.gov/grants/guide/pa-files/PAR-21-300.html>

- NCI **Transition** Career Development Award to Promote Diversity (K22)

PAR-21-301: <https://grants.nih.gov/grants/guide/pa-files/PAR-21-301.html>

PAR-21-302: <https://grants.nih.gov/grants/guide/pa-files/PAR-21-302.html>

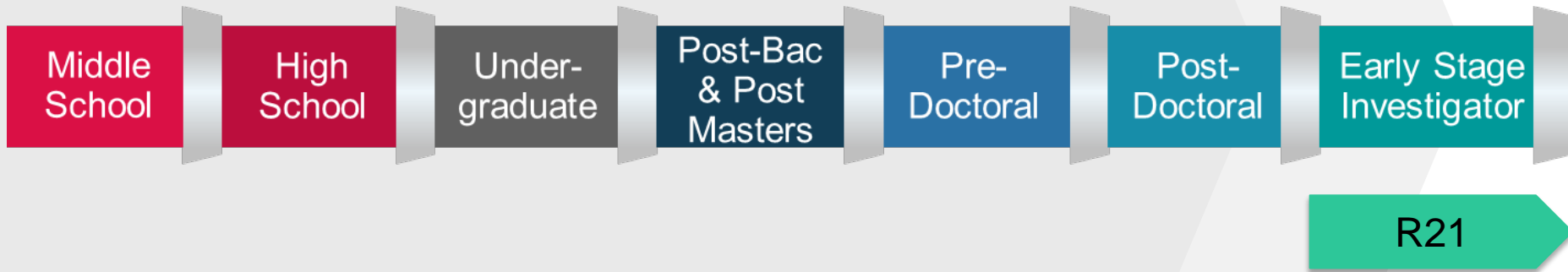
K Awards Application Receipt Dates

Receipt Cycle	Application Receipt Date (New/ Resubmission)	Initial Review	Council Review	Earliest Possible Start Date*
1	February 12 / March 12	June/July	September/ October	December
2	June 12 / July 12	October/ November	January/ February	April
3	October 12 / November 12	February/ March	May/June	July

** Start dates are determined by the availability of NCI funds and may not occur until well after the earliest possible start date.*



Exploratory Grant Award to Promote Workforce Diversity in Basic Cancer Research (R21 Clinical Trial Not Allowed)



R21 Exploratory Grant Award to Promote Workforce Diversity in Basic Cancer Research (R21 Clinical Trial Not Allowed), [PAR-21-061](#)

Eligibility: Early Stage Investigators or New Investigators; **cannot have previous R01 or grants over \$175k direct cost per year.**

Goal: Support eligible researchers to develop preliminary data for competitive R01 proposals.

Research focus: Basic biology of cancer

Budget: Direct Cost for 2 years \leq \$275k, \leq \$200k per year

Limit: An individual may receive no more than 2 awards including past and future iterations of this FOA.

Expected Due dates: **November 17**, 2021; June 14, 2022 etc.

Contact

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