

NCI Diversity Training Programs

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Branch Chief, *Diversity Training Branch*

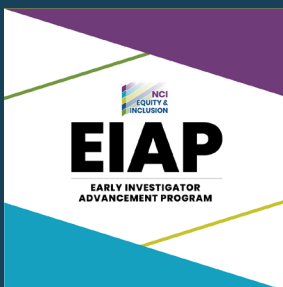
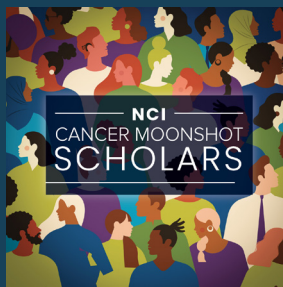
Center to Reduce Cancer Health Disparities

NCI Center to Reduce Cancer Health Disparities (CRCHD)

Diversity Training



Workforce Diversity



Partnerships

- Partnerships to Advance Cancer Health Equity (PACHE)

Networks

- Connecting Underrepresented Populations to Clinical Trials (CUSP2CT)
- Transformative Educational Advancement and Mentoring Network (TEAM)

Disparities and Equity Program

- Basic research
- Translational research
- Behavioral research
- Diversity, Equity, Inclusion, and Accessibility research

NCI CRCHD Diversity Training Branch Goals Align with the National Cancer Plan

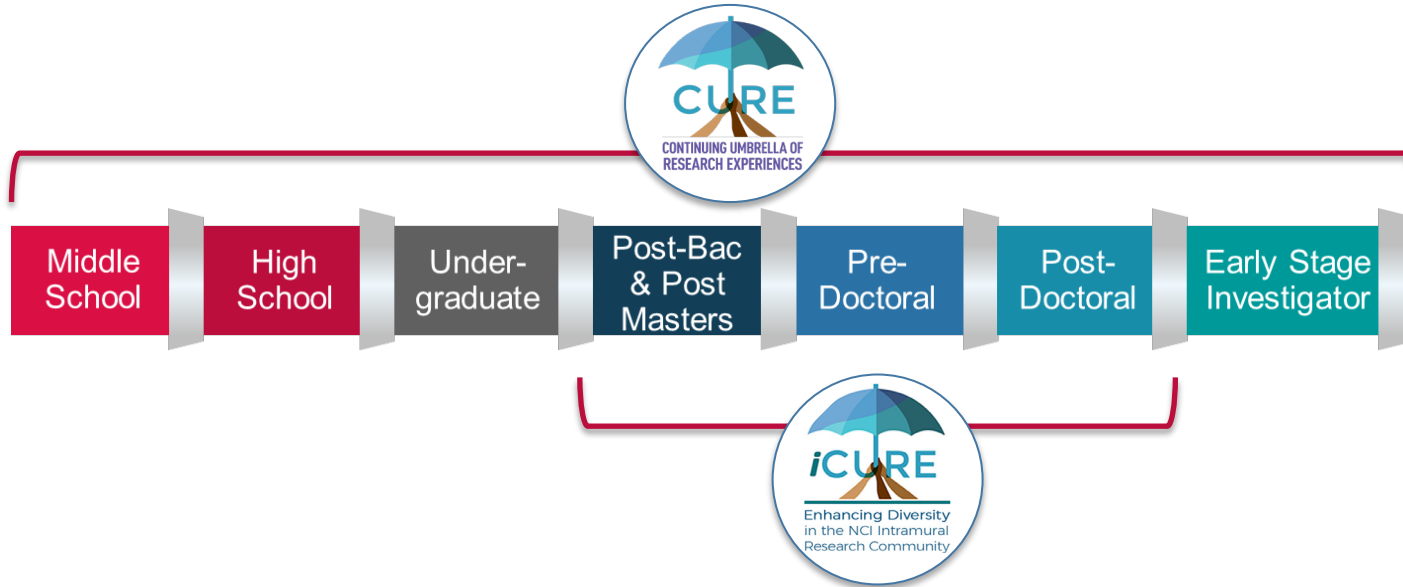


Goal 8: Optimize the Workforce

The cancer care and research workforce is diverse, reflects the communities served, and meets the needs of all people with cancer and those at risk for cancer, ensuring they live longer and healthier lives.

NCI Diversity Training Programs

Extramural: Continuing Umbrella of Research Experiences (CURE)



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

Intramural: Intramural Continuing Umbrella of Research Experiences (iCURE)

CURE and iCURE Promote Diversity in Cancer Research Workforce

NCI particularly encourages applications from individuals from groups identified in NIH's Notice of Interest in Diversity ([NOT-OD-20-031](#)) and consistent with the applicable law.

Race/Ethnicity

- Blacks or African Americans
- Hispanics or Latinos
- American Indians or Alaskan Natives
- Native Hawaiians and other Pacific Islanders

Disability

- Physical or mental impairment that substantially limits one or more major life activities

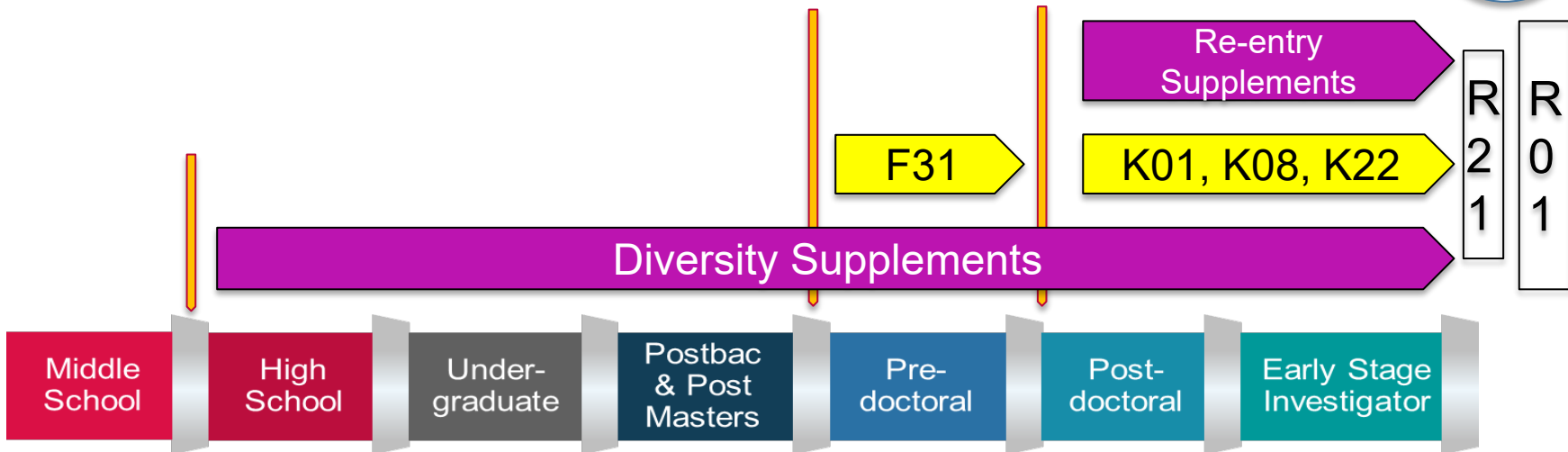
Disadvantaged Background

- Homeless
- Foster care system
- First generation w/ Bachelor's degree
- Federal Pell Grants
- Special Supplemental Nutrition Program
- Rural or low income/access areas

Extramural: CURE Funding Mechanisms



Individual Awards



Institutional Awards

R25 YES

Individual Awards

Diversity ([PA-23-189](#)) and Re-Entry, Re-Integration, Re-training & Re-tooling ([NOT-OD-23](#)) Supplements



- Provide additional funding to currently active NIH grants to support research experiences of trainees → **bridge** toward next career level
- Aims to support candidates from underrepresented populations: race/ethnicity, disability, disadvantaged background
- Parent grant must have **at least 2 years of active status left** at the time of supplement application
- **R01 or equivalent** – 2 supplements at the same time;
- **R21 or equivalent** – 1 supplement at a time to support grad student or more junior

Receipt Cycle	Application Receipt Date
1	Oct 1- Dec 1
2	Feb 1- Mar 31

Contact:
Dr. Belem López
Fulera Salami, M.P.H.
Dr. Chantel Fuqua
Dr. Jason Liu
CUREsupplements@nih.gov

Research Supplements to Promote Diversity in Health-Related Research ([PA-23-189](#), Diversity Supplements)

- **Participant Eligibility:** U.S. citizens or permanent residents
- **Allowed one diversity supplement at each career level**



- **No concurrent PHS support 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
- NCI Diversity Supplements Guidelines: <http://www.cancer.gov/about-nci/organization/crchd/diversity-training/cure/DSGuidelines>

Notice of Special Interest (NOSI): Research Supplements to Promote Re-Entry, Re-integration into, and Re-training in Health-Related Research Careers ([NOT-OD-23-170](#))

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-23-170.html>
- <https://www.cancer.gov/about-nci/organization/crchd/diversity-training/cure/reentry-supplements-guidelines>

NEW: Re-training and Re-tooling supplements

- Provides support and protected time for a mentored research experience
- Must have at least 2 years of postdoctoral experience or equivalence
- Obtain new skills that can allow the candidate to go to a new research direction
- Candidates must be planning or engaged in a career in biomedical, behavioral, clinical, translational, or social science research

Early Stage
Investigator

Mid-Career
Investigator

- Aims to support candidates from all populations
- <https://grants.nih.gov/grants/guide/notice-files/NOT-OD-23-170.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• Future grant submission	<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

Duration and Budget of Diversity and ReRi Supplements

Career Level	Length of Supplement	Salary (All w/ Fringe in Addition)	Travel and Supplies	Other
High School	Encourage at least two years	Per institution (minimum wage)	Not allowed	N/A
Under-graduate	Encourage at least two years	Per institution	Up to \$200 per month	N/A
Postbac/ Post Masters	Maximum of 24 months	Up to \$31K per year	Up to \$3,000 per year	N/A
Graduate Student	Maximum of 36 months	Salary+Fringe+Tuition ≤ first year postdoc	Up to \$4,000 per year	Tuition
Postdoctoral Fellow	As needed	Up to NRSA stipend	Up to \$6,000 per year	N/A
Investigator (DS)	Maximum of 24 months	Up to \$100K per year	Up to \$10,000 per year	N/A
Investigator (Re-entry)	Maximum of 36 months	Up to \$100K per year	Up to \$10,000 per year	N/A

F31 Diversity Predoctoral Fellowship (PA-21-052)

- **Objective:** To increase cancer research workforce diversity by supporting mentored research training leading to a PhD or combined dual doctoral degrees.
- **Benefits**
 - Mentored research training.
 - Present and publish research findings.
 - Strengthen grants skillset.
 - Enhance 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)

Receipt Cycle	Application Receipt Date
1	April 8
2	August 8
3	December 8

Contact

Dr. Anthony DiBello

anthony.dibello@nih.gov

Dr. Sangeeta Ghosh

Sangeeta.ghosh@nih.gov

NCI Career Development Awards (K01, K08, and K22)

Objectives:

- **Provide protected time and salary support for 3-5 years** of intensive training and research
- **Promote career development activities** to enhance candidate's research capabilities
- Expectation is that **awardees will be prepared to lead independent research** programs and become competitive for NIH research project grants

K Award	Mentored or Non-Mentored	Research Focus	Salary up to	Max R&D	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	Legislative salary cap	\$50k	3-5 years

- NCI **Mentored** Research Scientist Development Award to Promote Diversity (**K01**): [PAR-21-295](#) and [PAR-21-296](#)
- NCI **Mentored** Clinical Scientist Research Career Development Award to Promote Diversity (**K08**): [PAR-21-299](#) and [PAR-21-300](#)
- NCI **Transition** Career Development Award to Promote Diversity (**K22**): [PAR-21-301](#) and [PAR-21-302](#)

K01, K08, & K22 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

K01 & K 22 Contact
Dr. Shahrooz Vahedi
shahrooz.vahedi@nih.gov

K08 Contact
Dr. Laritza Rodriguez
laritza.rodriquez@nih.gov

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 \$175k, \leq \$200k per year

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

Due dates: **June 14, 2023 and November 17, 2023**

Contact

Dr. Laritza Rodriguez

laritza.rodriquez@nih.gov

Dr. Sangeeta

Sangeeta.ghosh@nih.gov

Intramural CURE (iCURE) – Research Experiences at NCI



- Mentored research experiences on **NCI campuses** in Bethesda, Shady Grove (Rockville) and Frederick, Maryland
- Supports **postbacs** (up to 2 years), **graduate students** (up to 2 years) and **postdocs** (up to 3 years)
- Applications open in fall each year. For research experiences beginning Fall 2024, continue to check website for details on how and when to apply:
<https://www.cancer.gov/about-nci/organization/crchd/diversity-training/icure>
- Centralized review and program-facilitated matches for scholars to NCI PIs; **applicants do not need to pre-identify a PI to apply**



Contact

Dr. Gregory Adams

Dr. Jessica Calzola

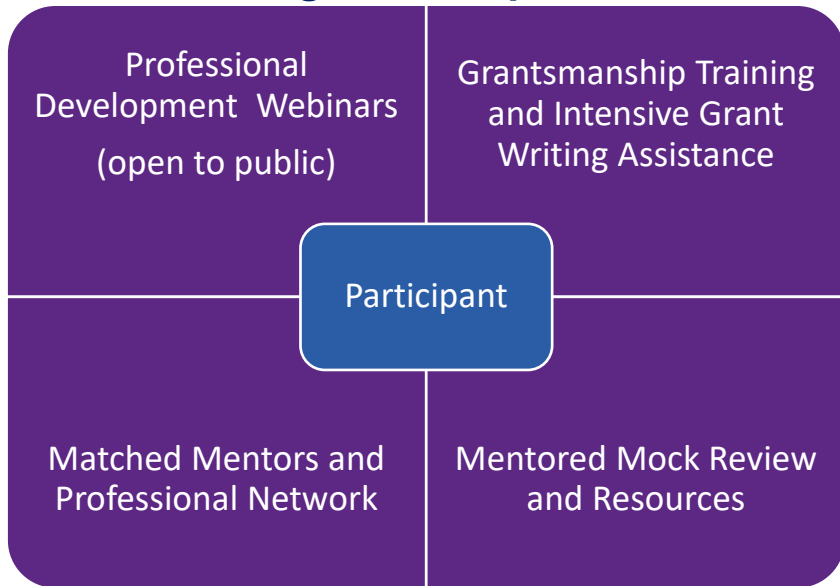
iCURE@nih.gov



Early Investigator Advancement Program (EIAP)

The Program promotes the transition of extramural and intramural early career investigators to independent investigators.

Program Components



- ❖ **1 cohort per year**
- ❖ **25 participants per cohort**

Outputs for Each Participant

- Submit an R01 grant application
- Become part of a group of peers with similar career goals
- Engage with mentors who are established investigators
- Become familiar with job and funding opportunities
- Develop professional and management skills critical to growing a research career

Contact

JoBeth McCarthy (C)
jobeth.mccarthy-jean@nih.gov

Dr. Jay Revilleza
mariajamela.revilleza@nih.gov

Professional Advancement Virtual Engagement Series (PAVES)!

PAVES is a monthly webinar that provides career development resources to support diverse cancer and cancer health disparity researchers achieve research independence.



- **When:** The last Wednesday of each month from 3:00-4:00 pm Eastern (times and dates may vary)
- **Where:** Virtual (**registration is required**– email PAVES@nih.gov)
- **Who:** New and Early Stage Investigators, post-doctoral student scientists, clinician scientists, researchers, and others
- **What:** Explore NIH funding opportunities, identify new career resources, acquire new insights and skills in the cancer research grant proposal development process and other career development skills.

For Past topics Visit:

<https://www.cancer.gov/about-nci/organization/crchd/about-health-disparities/resources/paves>

Contact

JoBeth McCarthy, DHS(c), MPH (C)
Katelyn Garfinkel, MBA
Fulera Salami, MPH
PAVES@nih.gov

CURE and iCURE Provide an Ecosystem of Support



CURE Funding Opportunities are Vehicles to Career Independence

Goal

Scientific Independence & Self-Sustainability



R21

Acquire data and submit R01, collaborate and explore job opportunities

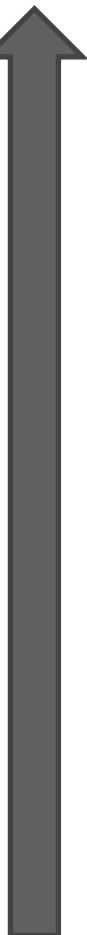
F31

Identify appropriate mentors, learn how to navigate scientific organizations, graduate

K Awards

Develop scientific niche, acquire data, write R01 and explore job opportunities

Supplements
Available at all career stages



- Acquire research skills
- Publish
- Write grants
- Network
- Present your scientific data

Work with your Program Officer!!



NCI Cancer Moonshot Scholars Diversity Program (CMSDP) (R01 Clinical Trial Optional)- RFA-CA-22-050

Science: Broad areas of cancer research, including cancer biology, cancer prevention, cancer diagnosis, cancer treatment, and cancer control

Eligibility: Early-Stage Investigators (ESIs) from groups that are underrepresented in the biomedical, clinical, behavioral, and social sciences

Preliminary data: Required

Budget: No limit, but need to reflect the actual needs of the proposed project

Expiration Date: February 7, 2024

Contact
Dr. Tiffany Wallace,
tiffany.wallace@nih.gov

Receipt Cycle	Application Receipt Date (New/ Resubmission)	Initial Review	Council Review	Earliest Possible Start Date*
1	November 8/ November 8, 2022	March	March	July
2	June 6/ June 6, 2023	October	January	April
3	February 6/ February 6, 2024	June	October	December

CURE Awardee Highlights



Dr. John H. Stewart

(K08, K23, & R21 awardee)

Director of the Louisiana State University
New Orleans - Louisiana Children's Medical
Center Cancer Center and Professor of
Surgery



Robert A. Winn, M.D.

(K08, K22, R21, & R01 awardee)

Director and Lipman Chair in Oncology, VCU
Massey Cancer Center, Senior Associate
Dean for Cancer Innovation and Professor of
Pulmonary Disease and Critical Care
Medicine, VCU School of Medicine



Dr. Lauren E. McCullough

(Diversity Supplement and R01 awardee)

Associate Professor of Epidemiology, Rollins School
of Public Health, Emory University

CURE Awardee Highlights



Dr. Eduardo M. Sotomayor
(K08 and R01 awardee)

Director of Tampa General Hospital Cancer Institute



Dr. Marcia Cruz-Correa
(K22 and R21 awardee)

Professor of Medicine, University of Puerto Rico Medical Sciences Campus



Dr. Chyke Doubeni
(K01 awardee)

Chief Health Equity Officer
Professor, Department of Family and Community Medicine
The Ohio State University
Wexner Medical Center; National Cancer Advisor Board

CURE Awardee Highlights



Left to Right:

[Dr. Tyvette Hillard](#), Assistant Professor, University of Notre Dame

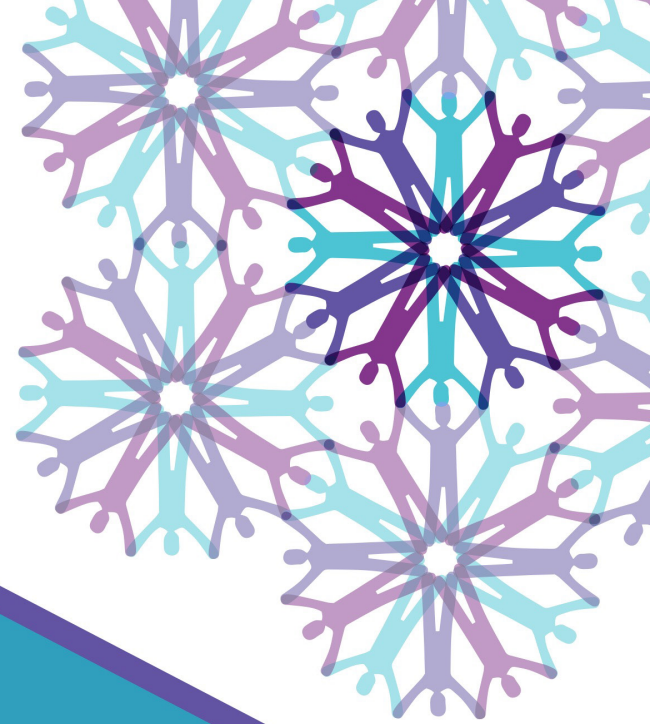
[Dr. Tiffany Carson](#) (**[K01 and two R01 awards](#)**), Department of Health Outcomes and Behavior, H. Lee Moffitt Cancer Center & Research Institute

[Dr. Sanya Springfield](#) (**[CRCHD Director](#)**)

[Dr. Elizabeth Cespedes](#) (**[K01 awardee and three R01 awards](#)**), Research Scientist at Kaiser Permanente Northern California Division

[Dr. Adana Llanos](#) (**[K01 and R01 awardee](#)**), Associate Professor of Epidemiology, Columbia University Irving Medical Center

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<https://crchd.cancer.gov>