

Programs for Promoting Diversity in Cancer Research

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NCI Extramural Divisions and Centers

Extramural

DIVISION OF CANCER BIOLOGY

DCB encourages and facilitates continued support of basic research in all areas of cancer biology to provide the research foundation which enables improved understanding of the disease and may lead to new approaches for prevention, diagnosis, and treatment.

DIVISION OF CANCER PREVENTION

DCP conducts and supports research to find ways to prevent and detect cancer, and to prevent or relieve symptoms from cancer and its treatments.

DIVISION OF CANCER CONTROL AND POPULATION SCIENCES

DCCPS conducts and supports an integrated program of genetic, epidemiological, behavioral, social, applied, and surveillance cancer research to reduce risk, incidence, and deaths from cancer as well as enhance the quality of life for cancer survivors.

DIVISION OF CANCER TREATMENT AND DIAGNOSIS

DCTD supports the translation of promising research into clinical applications to improve the diagnosis and treatment of cancer in areas of unmet need that are often too risky or difficult for industry or academia to develop alone.

Office of the Director

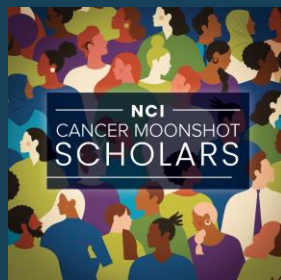
- Center for Biomedical Informatics and Information Technology Center for Cancer Genomics
- Center for Cancer Training
- Center for Global Health
- **Center to Reduce Cancer Health Disparities**
- Center for Research Strategies
- Center for Strategic Scientific Initiatives
- Coordinating Center for Clinical Trials

Overview of CRCHD: Our Mission and Funding Programs

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
- DEIA

DTB Programs 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 Federal, State, and Local laws.



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

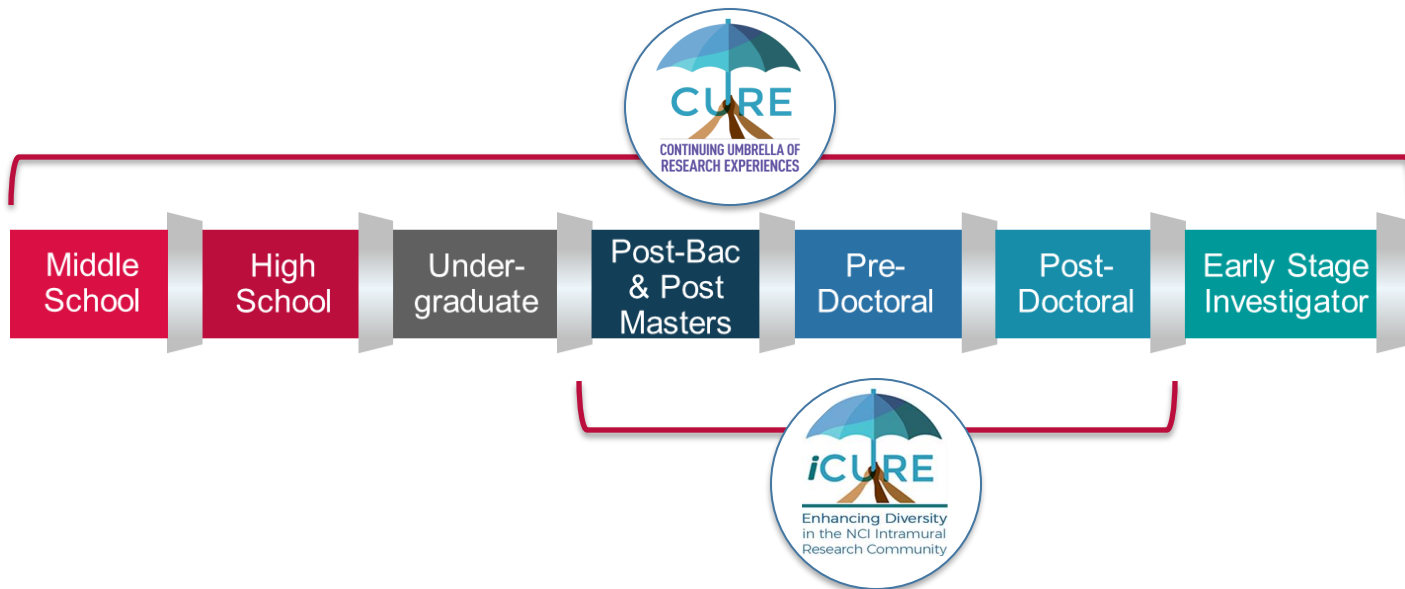


How we support trainees at Diversity Training Branch

- Financial Support (Funding programs) and Award Management
- Professional Development and Training Programs:
 - Early Investigator Advancing Program(EIAP)
 - Professional Advancement Virtual Engagement Series (PAVES)
 - Mentored Mock Review (MMR) and Professional Development Workshop (PDW)
 - Frequent One-on-One Meetings
 - Other programs (iCURE, PACHE U54, FIRST).

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)

DTB funding programs



Re-entry, Re-integration and Re-tooling Supplements

Diversity Supplements

Middle School

High School

Under-graduate

Postbac & Post Masters

Pre-doctoral

Post-doctoral

Early Stage Investigator

Individual Awards

Institutional Awards

Diversity and Re-entry supplements

- The primary goal of [Diversity supplement](#) is to enhance diversity in the scientific workforce by supporting individuals from underrepresented backgrounds. ([NCI Guidelines](#))
- The Re-entry Supplements Program offers mentored research training for scientists with research career hiatus; The Re-integration Program aids those affected by unsafe environments due to harassment; The Re-training/Re-tooling Program supports early or mid-career candidates in acquiring new skills and transitioning to new research environments. ([NOT-OD-23-170](#)).
- Both are supplements to an existing award with at least 2 years award remaining .
- Not a replacement for an individual award such as career development awards (CDAs) or Research Project grant (RPGs).

DTB funding programs



Individual Awards

Re-entry, Re-integration and Re-tooling Supplement

K01, K08, K22

Diversity Supplements



Institutional Awards

Career Development (K) Awards



Benefits



Protected time and salary support for 3-5 years of intensive training and research for early-stage investigators (ESIs).



Promote career development activities to enhance candidate's research and professional skills.



Provide salary and research support

Career Development (K) Award Options through CRCHD

K01: Mentored training

K08: Mentored training
for clinician scientists

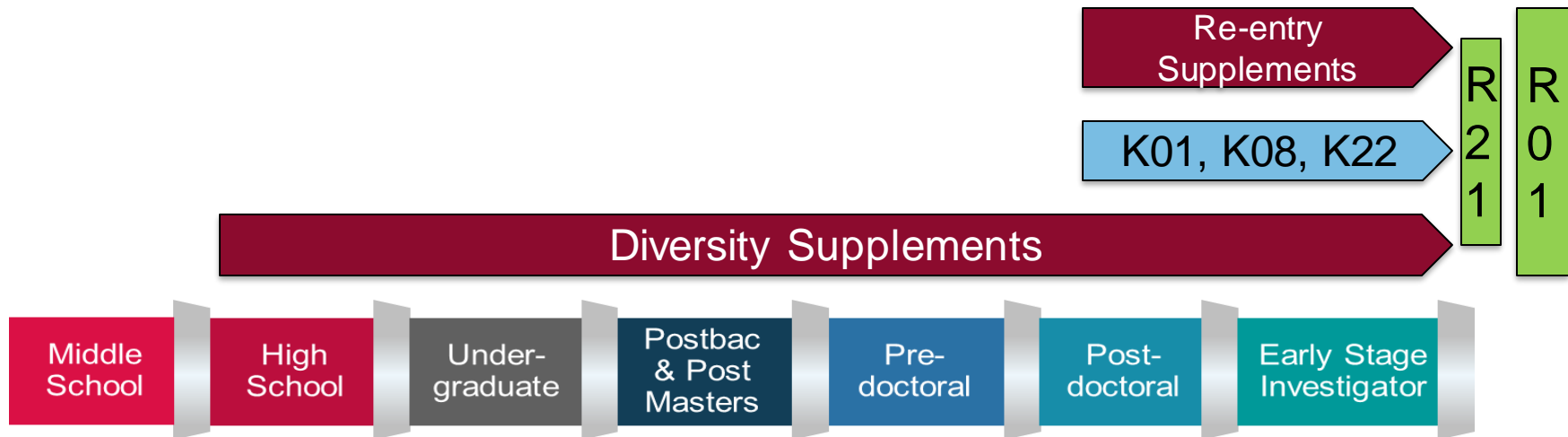
K22: Non-mentored for
ESIs and junior faculty

DTB funding programs



Individual Awards

Institutional Awards



Other funding Programs

- Basic Research in Cancer Health Disparities ([R01 Clinical Trial Not Allowed](#))
- Exploratory/Developmental Grants Program for Basic Cancer Research in Cancer Health Disparities ([R21 Clinical Trial Not Allowed](#))
- Basic Research in Cancer Health Disparities ([R03 Clinical Trial Not Allowed](#))
- Exploratory Grant Award to Promote Workforce Diversity in Basic Cancer Research ([R21 Clinical Trial Not Allowed](#))
- Administrative Supplements to Support Cancer Disparity Collaborative Research ([PAR-22-114](#))

R21 Exploratory Grant Award to Promote Workforce Diversity in Basic Cancer Research (R21 Clinical Trial Not Allowed), **PAR-24-039**



Eligibility:	Investigators or New Investigators; cannot have previous R01 or grants over \$175k direct cost per year.
Research focus:	Basic biology of cancer.
Goal:	Support eligible researchers to develop preliminary data for competitive R01 proposals.
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 NOFO.
Due Date:	June 18, 2024, and November 19, 2024

Contacts

Dr. Laritza Rodriguez
laritza.rodriquez@nih.gov

or

Dr. Sangeeta Ghosh
sangeeta.ghosh@nih.gov



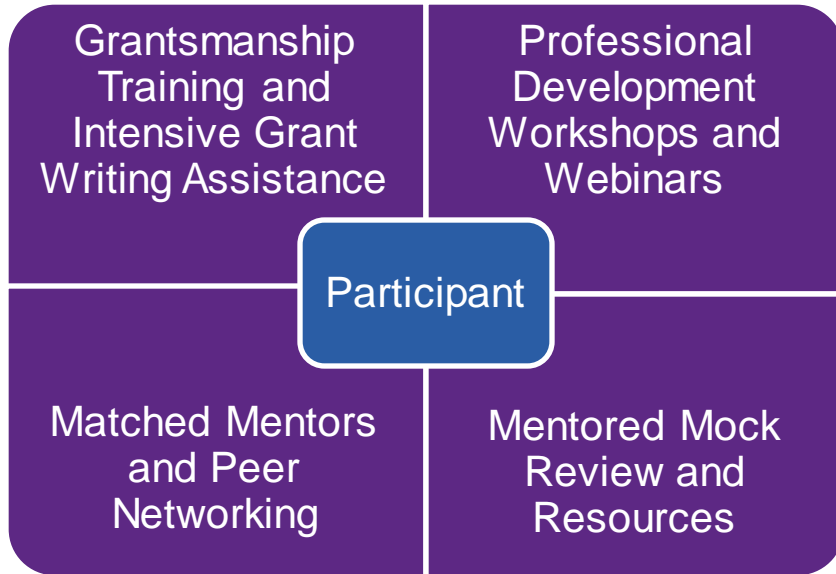
Financial via funding programs

- Financial Support and award management
- Professional Development and Training Programs:
 - EIAP (Early Investigator Advancement Program)
 - Professional Advancement Virtual Engagement Series (PAVES)
 - Mentored Mock Review (MMR) and Professional Development workshop (PDW)
 - Frequent One-on-One Meetings
 - Educational resources: Webinars, blogs, training navigation team, dissemination of related opportunities such as FIRST(Faculty Institutional Recruitment for Sustainable Transformation) program.

EIAP (Early Investigator Advancement Program)

- EIAP is a trans-NCI program that aims to assist cancer researchers and clinician scientists to attain an R01 or R-type equivalent funding

Program Components



Successes



- **45 cancer scientists** in two cohorts have completed the program.



- **Eight EIAP Scholars** have attained R-type funding with more under peer review.
- **Two R21's and 1 R03** have been secured.

Professional Advancement Virtual Engagement Series (PAVES)!

PAVES is a quarterly webinar series offering career development resources for diverse cancer researchers and clinician scientists



SCAN TO VIEW
PAST TOPICS &
ACCESS
RECORDINGS



- **A 1,500-member listserv** of cancer researchers and clinician scientists
- **Sample topics:**
 - Navigating NIH/NCI Research Funding Opportunities
 - Best Practices for an Effective NIH Biosketch
 - Diversity-Focused Cancer Research Training Opportunities
 - Identifying the right funding mechanism to best practices for managing the R01.
- Speakers represent the **ICs throughout NCI** as well as current and former CURE grantees.
- **Visit:** <https://www.cancer.gov/about-nci/organization/crchd/about-health-disparities/resources/paves>

To join PAVES, email PAVES@nih.gov

Mentored Mock Review (MMR) and Professional Development workshop (PDW)

Mentored Mock Review:

- In-depth simulation of an NIH grant review process.
- Scholars gain insights into the evaluation of R01 applications.
- A collaborative efforts between NCI, CSR and eRA common teams.
- Provides a unique opportunity to understand the review committee's perspective.
- Strengthens grant-writing skills and enhances the quality of future submissions.

Mentored Mock Review (MMR) and Professional Development workshop (PDW)

Professional Development Workshop:

- An Annual two-day meeting with tailored sessions to hone career development and professional skills.
- Opportunities for one-on-one consultations with NIH grants experts.
- Networking opportunity with NIH staffs and other peers.

Intramural Continuing Umbrella of Research Experiences Program

- Supports mentored research experiences (2-3 years depending on training level) for students and scientists from diverse backgrounds on NCI campuses in Bethesda, Rockville and Frederick, Maryland.
- Centralized review and program-facilitated matches for scholars to NCI PIs; applicants do not need to pre-identify a PI to apply



Application receipt open until December 6 for research experiences beginning Fall 2024. Check out [the website](#) for all the details including the slides and recording from the pre-application webinar.

Application Timeline



Contact
Dr. Gregory Adams, Jr.
Dr. Jessica Calzola
iCURE@nih.gov

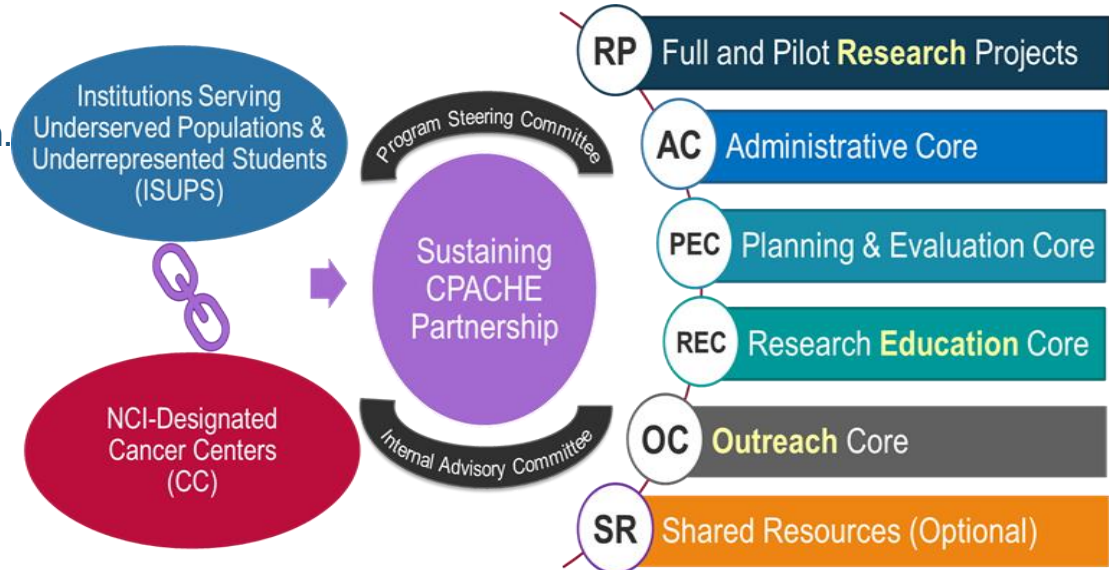
Partnerships to Advance Cancer Health Equity (PACHE)

Purpose: Develop and maintain comprehensive, long-term, and mutually beneficial partnerships between NCI-Designated Cancer Centers (CCs) and institutions serving underserved populations and underrepresented students (ISUPS).

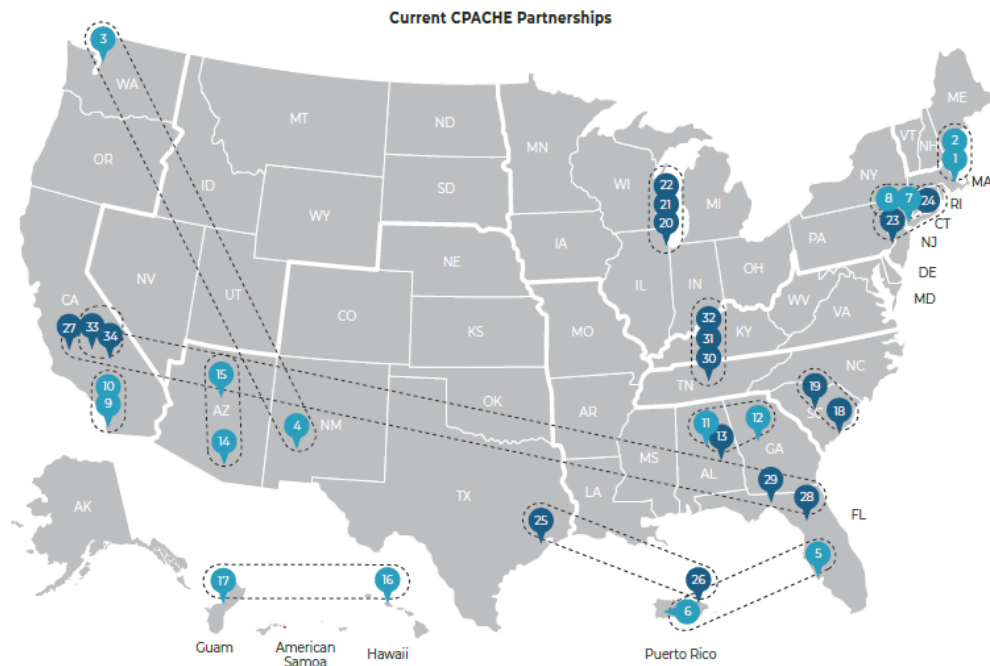
Objectives

- ❖ Increase participation of ISUPS in cancer research and research education.
- ❖ Increase CC's involvement in cancer health disparities (CHD) research.
- ❖ Produce more competitive grant applications from scientists from diverse backgrounds.
- ❖ Develop more effective outreach and education for underserved communities.

Framework



CPACHE U54 Program Map



CURRENT U54 PARTNERSHIPS (ORIGINALLY U56)

- | | |
|-------------------------------------------------------------|------------------------------------------|
| 1 Dana Farber Cancer Institute | 1 University of Massachusetts, Boston |
| 2 Fred Hutchinson Cancer Center | 2 New Mexico State University Las Cruces |
| 3 H. Lee Moffitt Cancer Center | 3 Ponce School of Medicine |
| 7 Memorial Sloan Kettering Cancer Center | 7 City College of New York CUNY |
| 8 University of California, San Diego, Moores Cancer Center | 8 San Diego State University |
| 9 University of Alabama Birmingham Cancer Center | 9 Morehouse School of Medicine |
| 14 University of Arizona Cancer Center | 14 Northern Arizona University |
| 16 University of Hawaii Cancer Center | 16 University of Guam |

11 Tuskegee University

CURRENT U54 PARTNERSHIPS

- | | |
|----------------------------------------------------------|---------------------------------------------------|
| 10 MUSC Hollings Cancer Center | 19 South Carolina State University |
| 20 Northwestern University Robert H. Lurie Cancer Center | 20 Northeastern Illinois University |
| 23 Temple University/Fox Chase CCC | 23 Hunter College of New York |
| 24 University of Texas, M.D. Anderson Cancer Center | 24 University of Puerto Rico Cancer Center |
| 25 USC Norris CCC | 25 University of Florida |
| 27 Vanderbilt Ingram Cancer Center | 27 Meharry Medical College |
| 28 City of Hope CCC | 28 University of California, Riverside |
| | 22 University of Illinois Chicago |
| | 29 Florida Agricultural and Mechanical University |
| | 30 Tennessee State University |

CURE Awardee Highlights



K08, K23, & R21



K08, K22, R21, & R01



Diversity Supplement and R01



F31



K08 and R01



Dr. John H. Stewart
 Director of the Louisiana State University New Orleans - Louisiana Children's Medical Center Cancer Center and Professor of Surgery

Dr. Robert A. Winn
 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
 Associate Professor of Epidemiology, Rollins School of Public Health, Emory University

Dr. Troy McEachron
 Principal Investigator NCI

Dr. Eduardo M. Sotomayor
 Director of Tampa General Hospital Cancer Institute

K22 and R21



K01 and two R01's



K01



K01 and three R01's



K01 and three R01's



K23



Dr. Marcia Cruz-Correa
 Professor of Medicine, University of Puerto Rico Medical Sciences Campus

Dr. Tiffany Carson
 Department of Health Outcomes and Behavior, H. Lee Moffitt Cancer Center & Research Institute

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

Dr. Elizabeth Cespedes
 Research Scientist at Kaiser Permanente Northern California Division

Dr. Adana Llanos
 Associate Professor of Epidemiology, Columbia University Irving Medical Center

Dr. Taofeek Owonikoko
 Director of the University of Maryland Greenebaum Comprehensive Cancer Center at the University of Maryland

Thank you



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