

# CRCHD: Diversity Training and Cancer Health Disparities Research Opportunities

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NCI Center to Reduce Cancer Health Disparities*

# NCI Center to Reduce Cancer Health Disparities (CRCHD)

## Mission

- Strengthens the NCI cancer research portfolio in basic, clinical, translational, and population-based research to **address cancer health disparities** through collaborations across NCI
- **Advises NCI leadership** on strategic priorities, program direction, and scientific policy to strengthen cancer disparities research, diversity training, women's health and sexual and gender minority opportunities
- Leads NCI's efforts to **increase workforce diversity** through the training of students and investigators from diverse backgrounds

# CRCHD Programs

## Diversity Training



## Partnerships

- Partnerships to Advance Cancer Health Equity (PACHE)

## Networks

- Geographic Management of Cancer Health Disparities Program (GMaP)
- National Outreach Network (NON)

## Cancer Health Disparities Research

- Basic research
- Translational research



# Extramural Diversity-Focused Training Program: Continuing Umbrella of Research Experiences

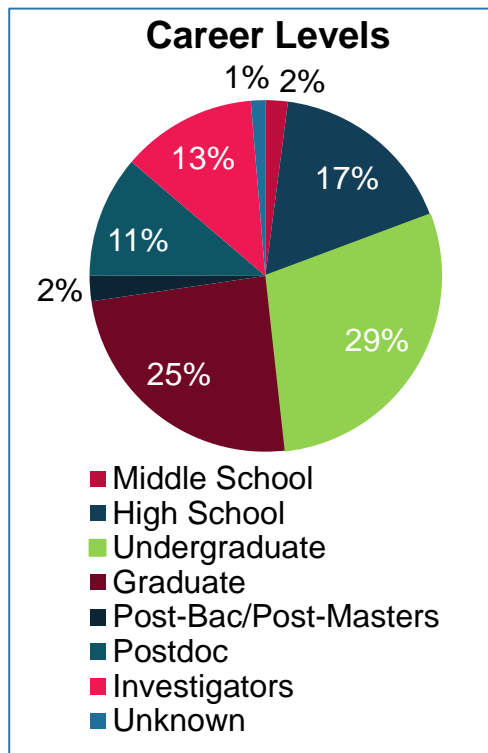
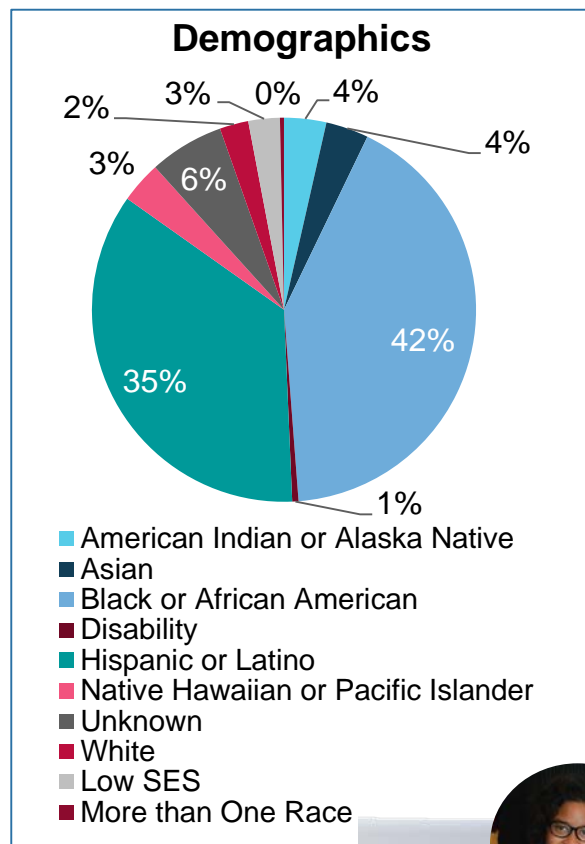
**Website:** <https://www.cancer.gov/about-nci/organization/crchd/diversity-training/cure>

## Purpose:

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



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



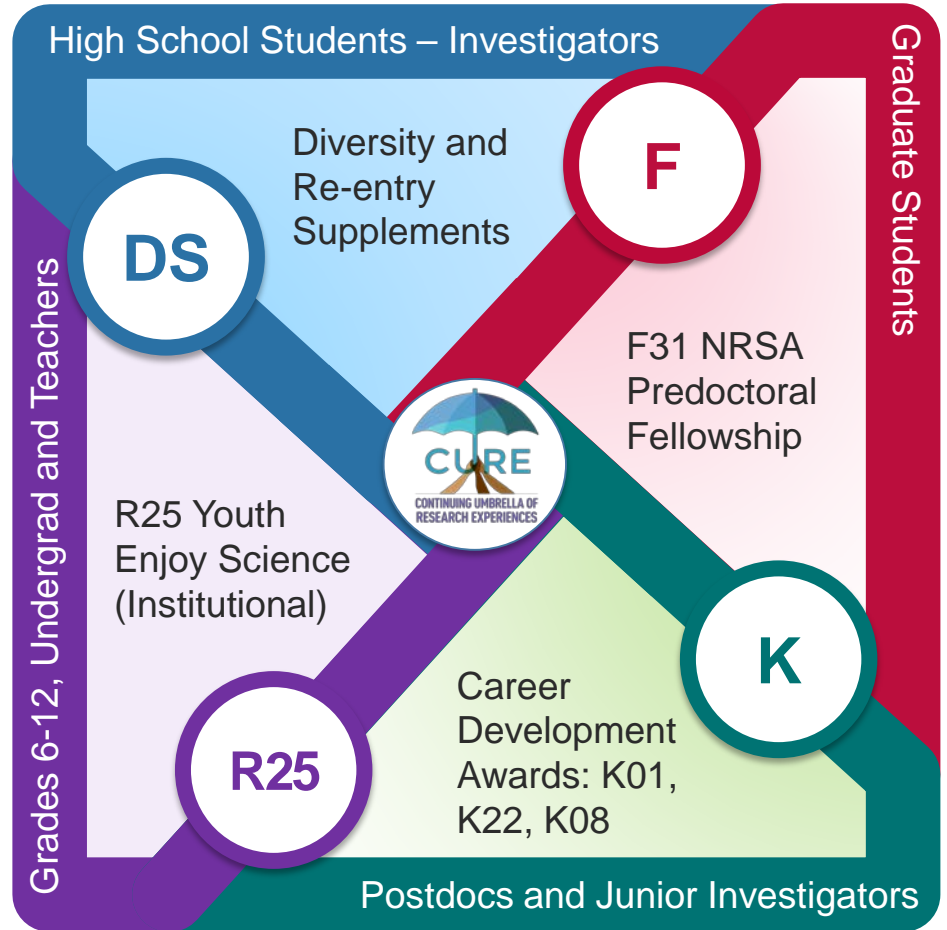
# CURE Program Strategies and Training Mechanisms

## CURE STRATEGIES

Increase the size of the talent pool

Emphasize scientific areas of greatest need

Expand and extend the period of training



# CURE is More Than a Pipeline

## Ecosystem of Support

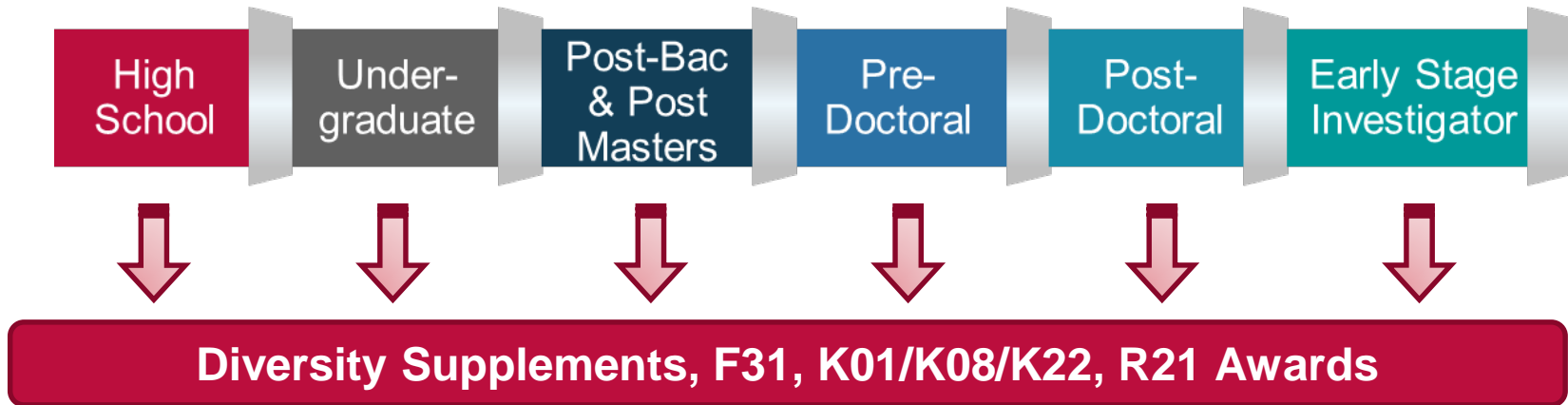


## Set Clear Goals and Monitor Progress



# Supplements within the CURE: Diversity and Re-Entry

- Provide additional funding to currently active NIH grants (parent grants) to support research experiences of trainees
- Parent grant must have **at least two years** of active status at the time of supplement application
- Application receipt: **Oct 1 – Dec 1** and **Feb 1 – Mar 30**
- A **bridge** for candidates to progress to the next academic/career level



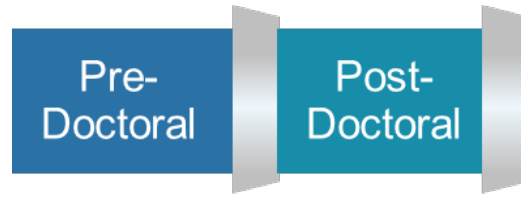


# Research Supplements to Promote Diversity in Health-Related Research (PA-18-906, Diversity Supplements)



- Candidate must be US citizen, non-citizen nationals or permanent residents, and from underrepresented populations: race/ethnicity, disability, disadvantaged background
- <https://grants.nih.gov/grants/guide/pa-files/PA-18-906.html>
- <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

# Research Supplements to Promote Re-Entry into Biomedical and Behavioral Research Careers (PA-18-592, Re-Entry Supplements)



- Candidate must be US citizen, non-citizen nationals or permanent residents, but does not need to be from underrepresented populations
- Candidate must have been on hiatus from research for 1-8 years; must be postdoctoral fellow or faculty before hiatus
- <https://grants.nih.gov/grants/guide/pa-files/PA-18-592.html>
- <http://www.cancer.gov/about-nci/organization/crchd/diversity-training/cure/ReEntryGuidelines>

# What Do We Look for in a Supplement Application?

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

## Contact

Sara Hargrave, PhD  
[sara.hargrave@nih.gov](mailto:sara.hargrave@nih.gov)

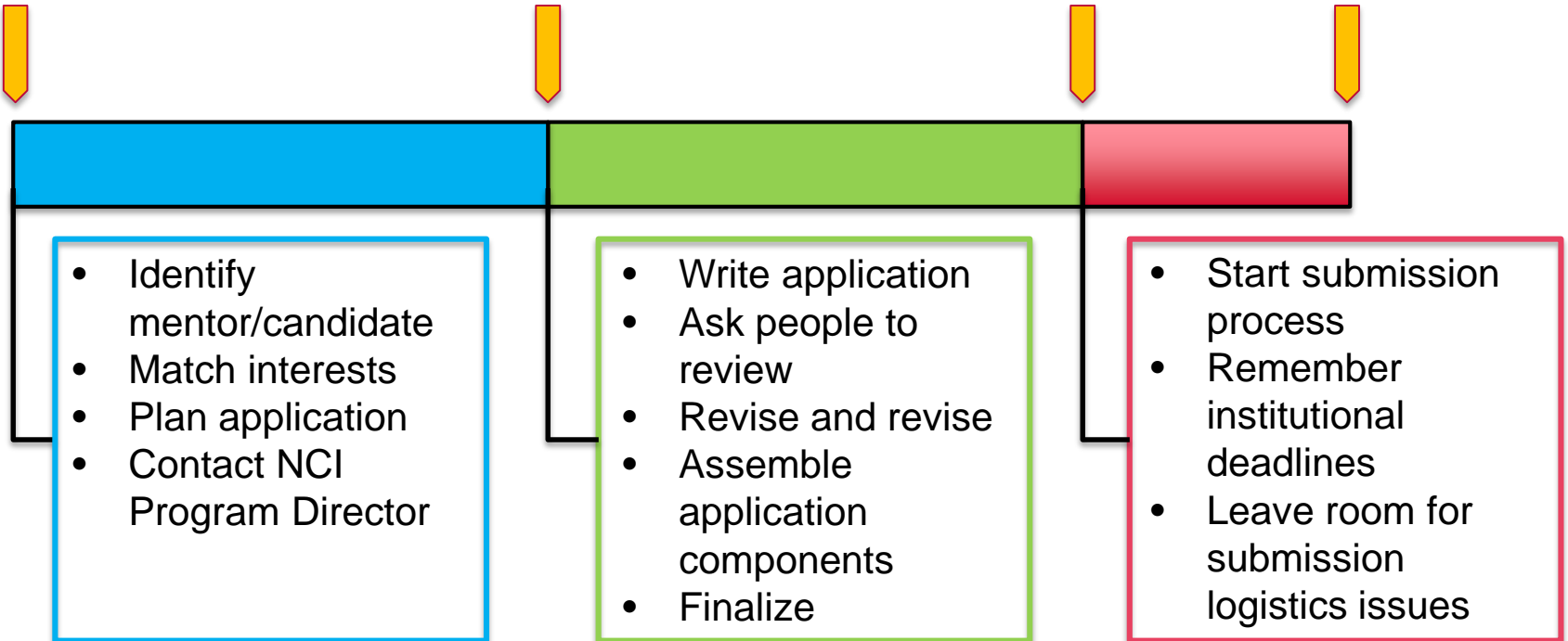
# Suggested Time Line for Preparing a Supplement Application

5 Months  
Prior

3 Months  
Prior

1 Month  
Prior

Submission  
Deadline



# Basic Cancer Health Disparities (CHD) Research Grants (R21 & R01)

## Important collaboration between DCB and CRCHD

**Science:** Mechanistic studies that investigate biological/genetic basis of CHD

**Eligibility:** Open to any qualified researcher

**Research project:** Basic cancer disparities research, focus on racial/ethnic disparities

**Due dates:** June 19 and November 19, 2020

### Contact

Tiffany Wallace, PhD

[tiffany.wallace@nih.gov](mailto:tiffany.wallace@nih.gov)

Mechanism	Details
Exploratory/Developmental Grants Program for Basic Research in Cancer Health Disparities (R21) <a href="https://grants.nih.gov/grants/guide/pa-files/par-18-655.html">(<a href="https://grants.nih.gov/grants/guide/pa-files/par-18-655.html">https://grants.nih.gov/grants/guide/pa-files/par-18-655.html</a>)</a>	<ul style="list-style-type: none"><li>• Pilot and feasibility studies</li><li>• No preliminary data required but encouraged</li><li>• <b>Budget:</b> Direct Cost for 2 years <math>\leq</math> \$275k; <math>\leq</math> \$200k per year.</li></ul>
Basic Research in Cancer Health Disparities (R01) <a href="https://grants.nih.gov/grants/guide/pa-files/par-18-654.html">(<a href="https://grants.nih.gov/grants/guide/pa-files/par-18-654.html">https://grants.nih.gov/grants/guide/pa-files/par-18-654.html</a>)</a>	<ul style="list-style-type: none"><li>• Full project grant</li><li>• Preliminary data required</li><li>• <b>Budget:</b> No limit, but need to reflect the actual needs of the proposed project</li></ul>

# Cancer Health Disparities Research Grant Examples

- Consequences and mechanism of aberrant splicing in African American prostate cancer disparities (R01)
- Biological implications of breast cancer protective variants in Latin American women with high Indigenous American ancestry (R01)
- Targeting CRLF2 and Ikaros Alterations to Reduce Health Disparities in Childhood Leukemia (R01)
- Diet modulation of bacterial sulfur & bile acid metabolism and colon cancer risk (R01)
- Modulation of host intrinsic immunity to reduce prostate cancer disparity (R01)
- Inter-relationship between microbiota diversity, obesity and race in endometrial cancer (R21)
- Stress Inflammation Mechanisms of Survivorship Disparities Experienced by Hispanic Women After Breast Cancer (R21)
- Racial Disparity of microRNA in Hepatitis C Virus Mediated Hepatocellular Carcinoma (R21)

# NEW: NCI Administrative Supplements to Support Cancer Disparity Collaborative Research (Clinical Trial Optional): PA-18-842

- **Purpose:** accelerate and strengthen multi-disciplinary cancer disparities research in wide ranging areas (cancer biology, cancer prevention, population sciences, translational & clinical studies)
- **Requires:** collaboration between **NCI-funded non-disparity researchers** and **cancer disparities-focused researchers**
- **Parent grant:**
  - Must have at least **two years** of active funding remaining at the **time of anticipated award**
  - Can receive only one award but may apply multiple times
- **Duration:** up to two years
- **Budget:**
  - Up to \$150K in Direct Cost per year
  - Cannot support parent grant PD/PI salary
- **Due Dates:** February 10, 2020; September 10, 2020
- **Pre-Application Webinar:** **December 6, 2019, 2 – 3:30 PM EST**
- **Notice:** NOT-CA-20-006 (expansion of eligible parent grant mechanisms)

## Contact

Liz Perruccio, PhD

[liz.perruccio@nih.gov](mailto:liz.perruccio@nih.gov)



# Intramural Diversity-Focused Training Program: Intramural CURE (iCURE)



**Website:** <https://www.cancer.gov/about-nci/organization/crchd/diversity-training/icure>

**Applications for 2020**  
**Nov 20 2019 – Jan 17 2020**  
Contact Jessica Calzola, PhD,  
iCURE@nih.gov

## Purpose:

- Support research experiences of underrepresented students and scientists in the **NCI Intramural Research Program** in Bethesda, Rockville and Frederick, Maryland
- Promote professional and career development
- Help the trainees reach research independence

**Post-baccalaureate  
(Incl. Post-master's)**

**One-year research  
experience awards**

**Graduate Students**

**Two-year research  
experience awards**

**Postdoctoral Fellows**

**Three-year research  
experience awards**

## Contact

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 @NCICRCHD

<https://www.cancer.gov/about-nci/organization/crchd>



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