

CRCHD: Diversity-Focused 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 Programs

Diversity Training



Partnerships

- Partnerships to Advance Cancer Health Equity (PACHE)

Cancer Health Disparities Research

- Basic research
- Translational research

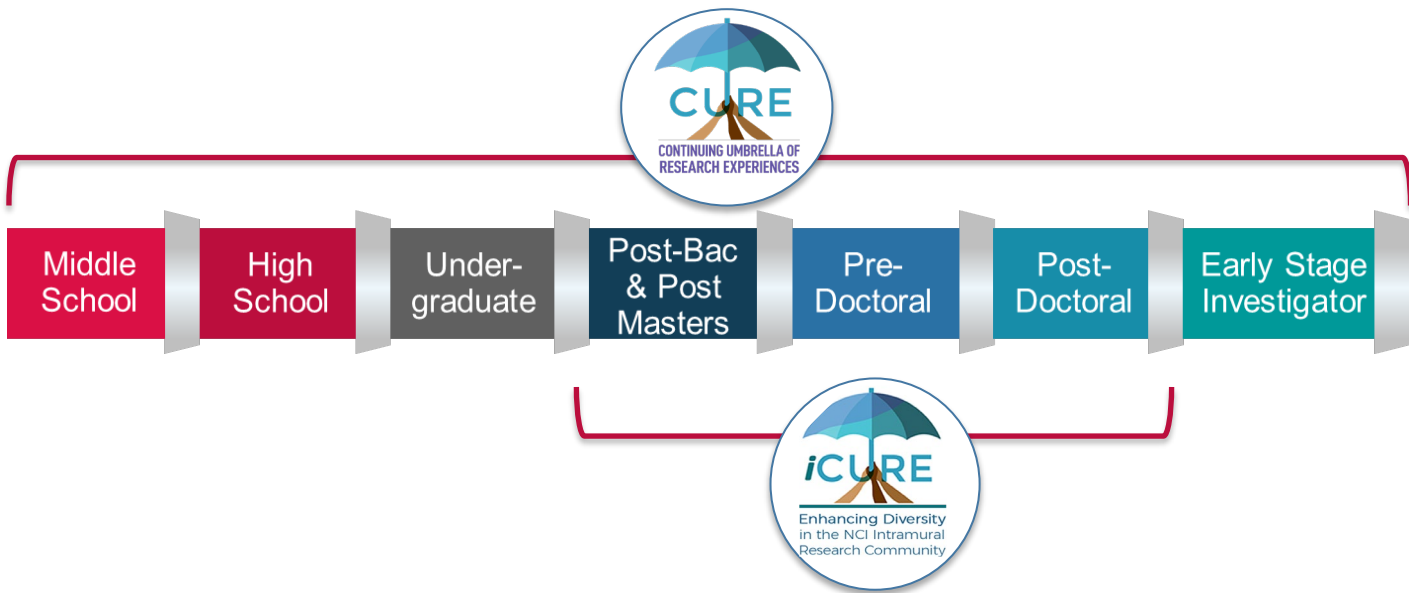
Networks

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



NCI Diversity-Focused Training Programs

Extramural: Continuing Umbrella of Research Experiences (CURE)



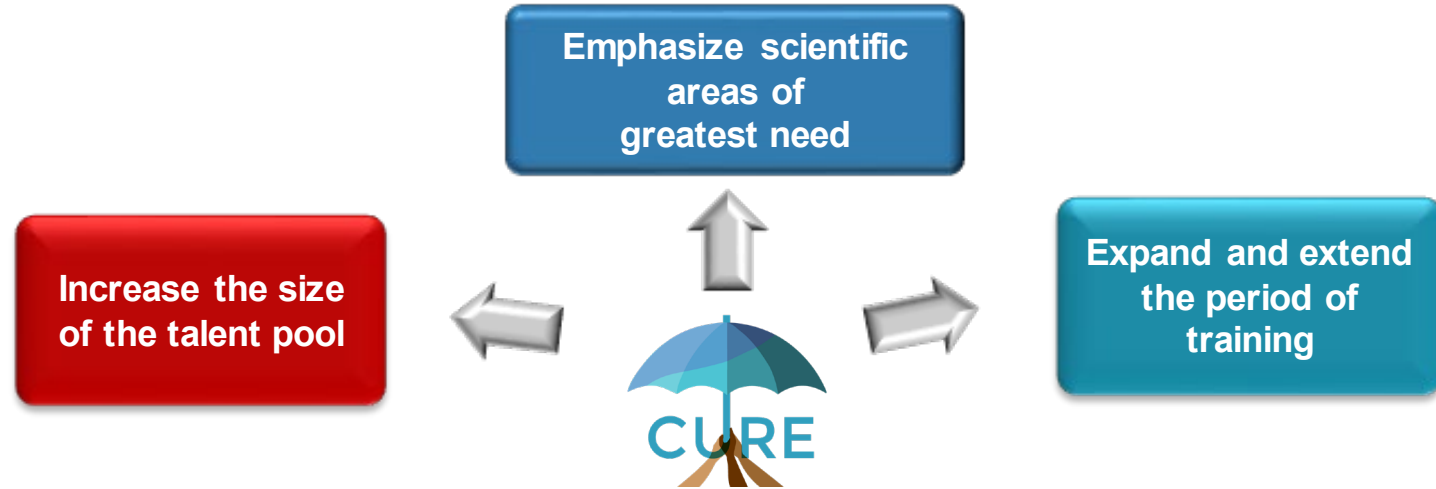
- Support research experiences of **underrepresented** students and scientists
- Promote professional and career development
- Help the trainees achieve research independence

Intramural: Intramural Continuing Umbrella of Research Experiences (iCURE)

More Than a Pipeline: CURE and iCURE Provide an Ecosystem of Support



Extramural: Continuing Umbrella of Research Experiences (CURE)



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

Race/Ethnicity

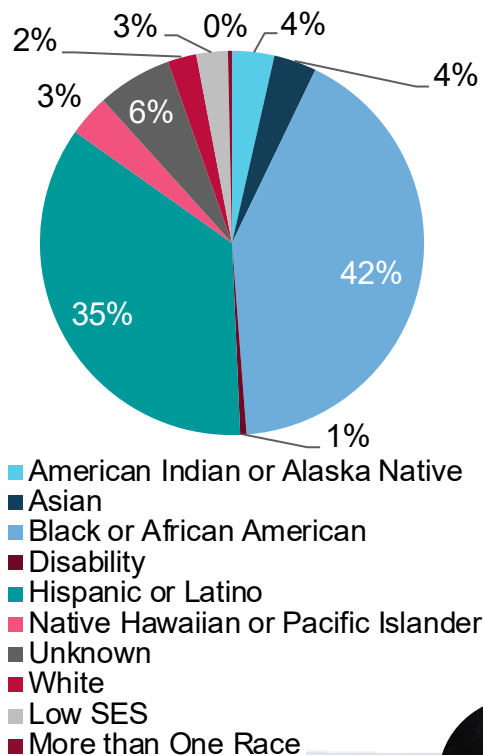
Disability

Disadvantaged
Background

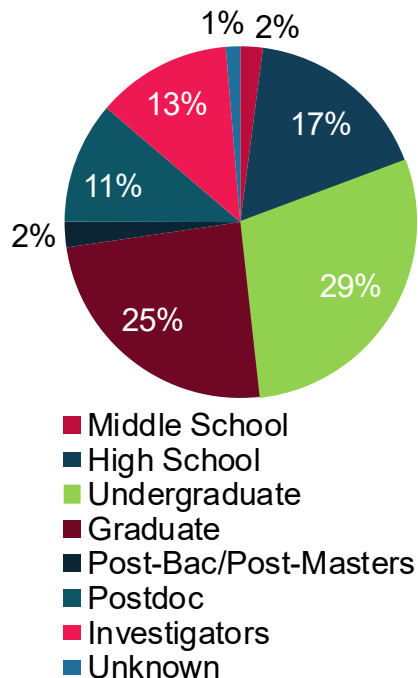
CURE Trainees (2001-2018, n = 4,753) are Diverse



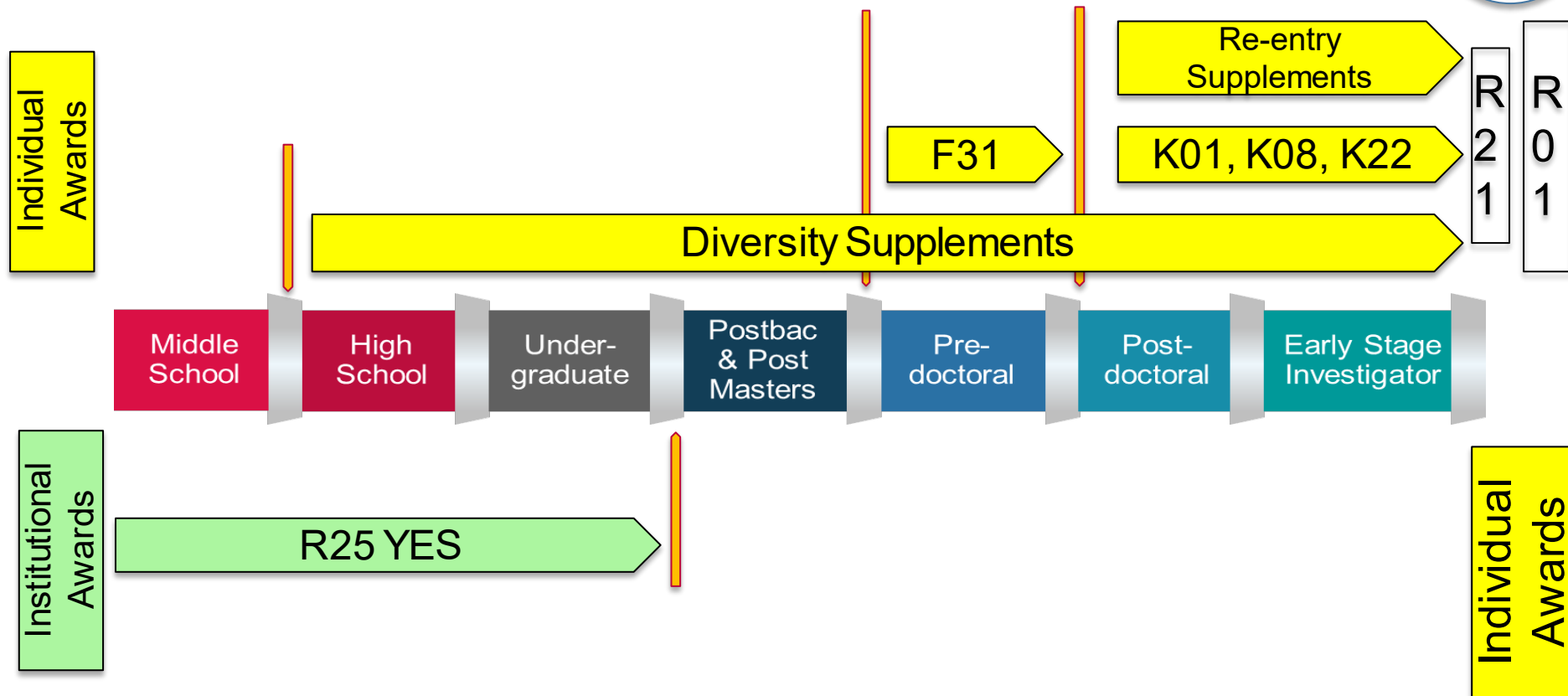
Demographics



Career Levels



CURE Funding Mechanisms



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 31**
- A **bridge** for candidates to progress to the next academic/career level
- Any questions -

Contact

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

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">• Motivation• Accomplishments• Career goals• Eligibility 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

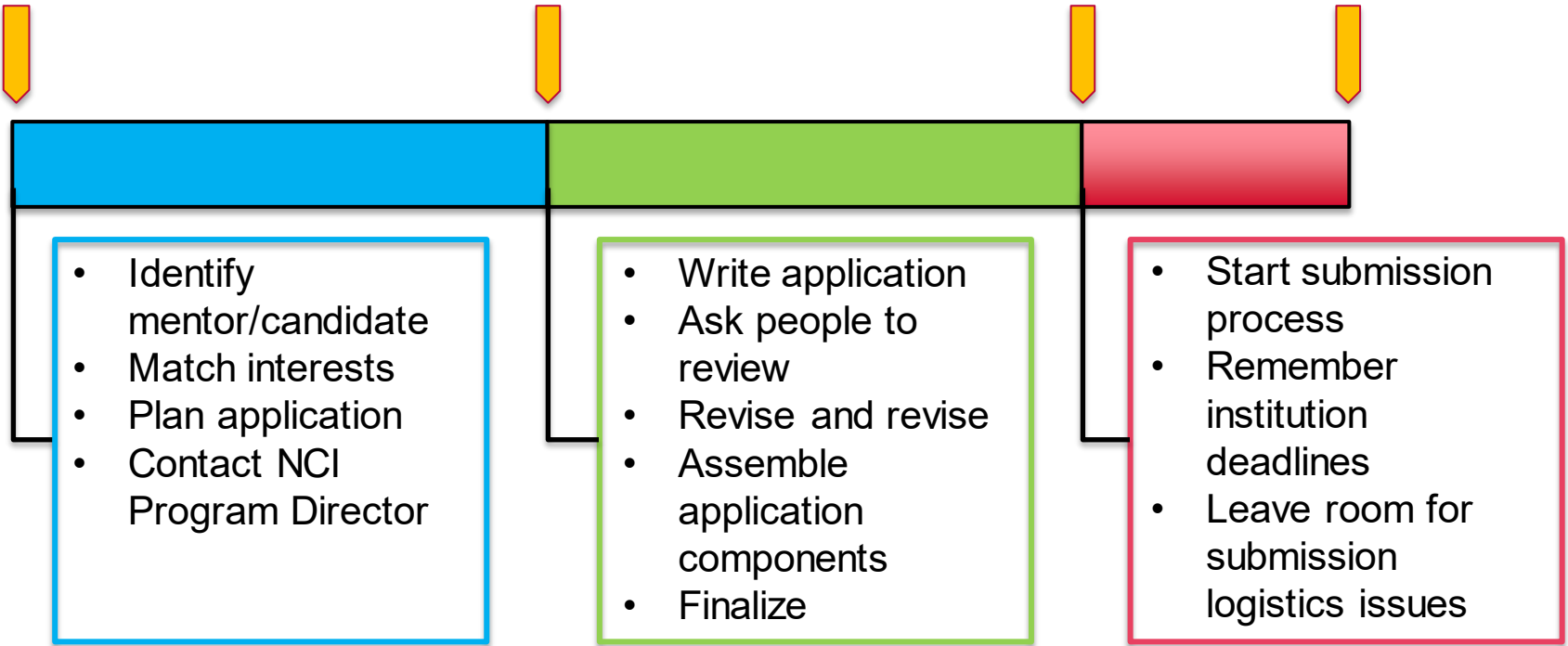
Suggested Timeline for Preparing a Supplement Application

5 Months
Prior

3 Months
Prior

1 Month
Prior

Submission
Deadline



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

Contact

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Mechanism	Details
Exploratory/Developmental Grants Program for Basic Research in Cancer Health Disparities (R21) (https://grants.nih.gov/grants/guide/pa-files/par-18-655.html)	<ul style="list-style-type: none">• Pilot and feasibility studies• No preliminary data required but encouraged• Budget: Direct Cost for 2 years \leq \$275k; \leq \$200k per year.• Due date: February 18, 2021
Basic Research in Cancer Health Disparities (R01) (https://grants.nih.gov/grants/guide/pa-files/par-18-654.html)	<ul style="list-style-type: none">• Full project grant• Preliminary data required• Budget: No limit, but need to reflect the actual needs of the proposed project• Due date: February 8, 2021

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)

Intramural CURE (iCURE) – Research Experiences at NCI



- Mentored research experiences on **NCI campuses** in Bethesda, Shady Grove (Rockville) and Frederick, Maryland
- Supports **postbacs** (1 year), **graduate students** (2 years) and **postdocs** (3 years)
- **Applications open now: Oct 15, 2020 – Jan 15, 2021**
<https://www.cancer.gov/about-nci/organization/crchd/diversity-training/icure>
- Centralized review and program-facilitated matches for scholars to PIs in NCI Intramural Research Program



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 @NCICRCHD

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



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