CRCHD: Diversity Training and Cancer Health Disparities Research Opportunities

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NCI Center to Reduce Cancer Health Disparities

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NCI Center to Reduce Cancer Health Disparities (CRCHD)

- 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**
- CURE
- iCURE

**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
Continuing Umbrella of Research Experiences (CURE)

**CURE GOALS**
- Increase the size of the talent pool
- Emphasize scientific areas of greatest need
- Expand and extend the period of training

CURE Helps Trainees Achieve Scientific Independence and Self-sustainability

**CURE Trainees**
- Race and ethnicity
- Disability
- Disadvantaged background

**CURE Mechanisms**
- Individual awards: Diversity and Re-entry Supplements; F31; K01; K08; K22; R21
- Institutional awards: R25

Well-prepared young students
- Cancer health disparities
- Quantitative sciences
- Competitive trainees for research independence
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 remaining 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

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
What Do We Look for in a Supplement Application?

<table>
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<tr>
<th>Candidate</th>
<th>Mentoring and Career Development Plan</th>
<th>Research Plan</th>
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| • Motivation  
  • Accomplishments  
  • Career goals  
  • **Eligibility statement** | • 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 | • **Relevancy to Parent Grant project**  
  • Scientific impact on Parent Grant project  
  • Research design and feasibility  
  • Alignment with candidate’s career goals |

NIH NATIONAL CANCER INSTITUTE
Suggested Time Line for Preparing a Supplement Application

5 Months Prior
- Identify mentor/candidate
- Match interests
- Plan application
- Contact NCI Program Director

3 Months Prior
- Write application
- Ask people to review
- Revise and revise
- Assemble application components
- Finalize

1 Month Prior
- Start submission process
- Remember institution deadlines
- Leave room for submission logistics issues

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, 2019 and 2020

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| Exploratory/Developmental Grants Program for Basic Research in Cancer Health Disparities (R21) | • Pilot and feasibility studies  
• No preliminary data required but encouraged  
• **Budget:** Direct Cost for 2 years ≤ $275k; ≤ $200k per year. |
| Basic Research in Cancer Health Disparities (R01)                         | • Full project grant  
• Preliminary data required  
• **Budget:** No limit, but need to reflect the actual needs of the proposed project. |
Cancer Health Disparities Research Grants 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**: September 10, 2019; September 10, 2020
## Program Staff Contacts

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<tr>
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<tr>
<td>Diversity and Re-entry Supplements</td>
<td>Drs. Alison Lin and Sara Hargrave (CRCHD)</td>
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<td><a href="mailto:CUREsupplements@nih.gov">CUREsupplements@nih.gov</a></td>
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<tr>
<td>Basic Cancer Health Disparities Research Grants (R21 &amp; R01)</td>
<td>Dr. Tiffany Wallace (CRCHD)</td>
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