NCI CRCHD Career Development and Scientific Workshop
Welcome!

We’re glad you’re here! Thank you for participating on behalf of NCI’s Center to Reduce Cancer Health Disparities Program (CRCHD).

Goals of our workshop are:

- To provide practical guidance and grant writing tips to develop a highly competitive application.
- To increase awareness of CRCHD and NIH career development and grant writing resources.
- Provide an opportunity to network with CRCHD Program directors and your colleagues.
Workshop Agenda

- Plenary Session (Morning)
  - Welcome and Icebreaker Session
  - CURE Overview
- Application Guidance and Tips
  - CURE F31 Predoctoral Fellowship
  - CURE K Career Development Award (K01, K08 and K22)
- Plenary Session (Afternoon)
  - Grant Review Process
  - NCI/CRCHD Resources and Networks
  - Panel Discussion
Thank You to All!

External Speakers:
- Karyl B. Swartz, PhD, Center for Scientific Review, NIH
- Rafael E. Luna, PhD National Research Mentoring Network (NMRN)

Special Acknowledgements:
- Robert I. Fisher, MD, Fox Chase CC - Temple University
- Grace X. Ma, PhD, Fox Chase CC - Temple University

GMap Regional Coordinators:
- Linda Fleisher, PhD, MPH
- Carrie Norbeck, MPH, CHES

NOVA Staff: Michelle Murray, CMP, CVEP

Philadelphia Working Group:
- CRCHD Program Staff:
  - Jessica Ceruto, MPH, CHES
  - Victoria Coan
  - Davyd Chung, PhD
  - Behrous Davani, PhD
  - Hana Odeh, PhD
  - Peter Ogunbiyi, DVM, PhD
  - John Ojeifo, MD, PhD, MBA
  - Nicole McNeil Ford, PhD
  - Abigail Soyombo, PhD, MBA
  - Mary Ann Van Duyn, PhD, MPH
  - Anil Wali, PhD
Getting to Know Your Cohort

Icebreaker and Introductions

Davyd W. Chung, PhD
Networking: Research Elevator Pitch

- Name and Institution
- Favorite vacation spot
- 30 second Pitch about your research*
  
- Purpose is to get someone interested; not to tell them everything there is to know. Make sure you:
  
  1. Define the problem
  2. Explain why it matters (broader benefits)
  3. Describe your potential solution(s)

*No jargon allowed
1. Define the Problem
   ▪ Researchers are notorious for using jargon or becoming so bogged down in the details of their research and losing sight of the big picture

2. Why it matters
   ▪ Researchers may need to summarize their work briefly while interviewing for a position, asking for funding/money, or finding a potential collaborator at a conference
   ▪ Researchers may explain their research to all audiences in the same way as they would to a lab colleague — the reviewers of your grant application will most likely not be from your lab

3. Potential Solution
   ▪ Identify your audience and write to your audience
Introduction to NIH and Overview of the CURE Program
Outline

1. NIH and the Grant Process
2. Overview of NCI Center to Reduce Cancer Health Disparities (CRCHD)
3. The Continuing Umbrella of Research Experiences (CURE) Program
NIH and the Grant Process
NIH – 27 Institutes and Centers

Different Missions, Responsibilities and Constituencies
WHAT WE DO

cancer research
funding
drug development
clinical trials
surveillance
scientific review
basic research
genomics
public health
collaboration
treatment
causes
prevention
genetics
health behavior
cancer control
epidemiology
PDQ
grants
global health
cancer centers
patient education

TRAINING THE WORKFORCE

At FY 2014, NCI supported 205 training cancer researchers through training and career development grants and intramural research experiences. **

3,608
Research Training Positions

428
High School Students

205
Pre- and Post-Baccalaureate

841
Medical Students

1,526
Postbaccalaureate Research Fellows

123
Clinical Fellows

485
Early Cancer Scientists

* Numbers include national and international training positions for NIH intramural research grants, cancer center grants, academic cancer training institutions, and NIH-supported training programs

** Includes institutional training grants and research experiences positions in medical education programs

SCOPE OF OUR WORK

Survivorship
Basic Science
Causes
Control
Risk Factors
Detection & Diagnosis
Prevention
Treatment
Know the Path of a Successful Application

National Institutes of Health

Center for Scientific Review
Assigns to NIH Institute and Peer Review Group

Study Section
Reviews for Scientific Merit

Institute
Evaluates for Relevance to Research Priorities

Advisory Council or Board
Recommends Action

Institute Director
Takes Final Action
Overview of NCI Center to Reduce Cancer Health Disparities (CRCHD)
NCI Center to Reduce Cancer Health Disparities (CRCHD)

- Leads NCI’s efforts to **increase workforce diversity**
- Strengthens the NCI cancer research portfolio to **address cancer health disparities**
- **Builds regional networks** to:
  - foster collaboration
  - enhance capacity in cancer research and training, and
  - disseminate cancer information to underserved communities.
- **Advises NCI leadership** on strategic priorities, program direction
How CRCHD Achieves Its Mission…

Training – CURE
3,041+ CURE Scholars
Training and career development opportunities to enhance diversity in cancer and cancer health disparities research

Forming Partnerships – PACHE
24 Partnerships (13 U54 – 11 P20)
Multidisciplinary research projects in cancer and CHD training, outreach, education

Spawning CHD Research
R21/R01 Basic CHD Research
Cancer Models
P01/SPORE Development Workshop

Networks for Research, Training & Outreach – GMaP and NON
6 GMaP Regions
37 NON Cancer Centers with CHEs
The Continuing Umbrella of Research Experiences (CURE) Program
Continuing Umbrella of Research Experiences (CURE)

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

- Undergraduate
- Post-baccalaureate
- Post Masters
- Predoctoral
- Postdoctoral
- Investigators
- Grades 6-12
Who is Eligible for the CURE Program?

Academic/Career Level of Trainee:

- Middle School
- High School
- Undergraduate
- Postbac & Post Masters
- Pre-doctoral
- Post-doctoral
- Early Stage Investigator

Diversity of Trainee:

- Individuals of Different Race/Ethnicity
- Individuals with Disability
- Individuals from Disadvantaged Background

US Citizens or Permanent Residents
CURE Funding Opportunities are Vehicles to Career Independence

**Goal**
Scientific Independence & Self-Sustainability

**Supplements**
Available at all career stages

**F31**
Identify appropriate mentors, learn how to navigate scientific organizations, graduate

**R21**
Acquire data and submit R01, collaborate and explore job opportunities

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

Acquire research skills
Publish
Write grants
Network
Present your scientific data

*Work with your Program Officer!!*
Uniqueness of the CURE Program

**Program Officer**
- Advise on Funding
- Professional Opportunities
- Program Navigation
- Grants Management

**Mentor**
- Sponsorship
- Networking
- Role Model
- Grantsmanship

**Mentee**
- Confidence
- Self-Esteem
- Enhance
- Research Skills
- Commitment
- Communication Skills
CURE Provides Support for Trainees through Navigation and Networks

Training Navigation
- Education about CURE funding opportunities
- Connection to CURE PDs and GMaP
- Support for career development

Program Director (PD)
- Advise and support
- Monitor of career progress

GMaP Network
- 7 region network
- Identifies potential trainees
- Strengthens research infrastructure and collaborations
- Enhances outreach

Mentor

Mentee

Demographics
- American Indian or Alaskan: 0%
- Asian: 0%
- Black or African American: 3%
- Hispanic or Latino: 4%
- Other: 3%

Career Levels
- High School: 13%
- Undergraduate: 15%
- Graduate: 15%
- Post-Bac/Post-Masters: 23%
- Postdoc: 2%
- Investigators: 2%
- Unknown: 30%

n = 3,281
Where are our CURE Scholars now?

**National Cancer Advisory Board**
- Chanita Hughes-Halbert
  - Co-Director, Cancer Prevention & Control Program

**Associate Professor**
- Eduardo Sotomayor

**Assistant Professor**
- Thais Salazar-Mather
  - Director, Medical Oncology

**Senior Vice President of Clinical Research**
- Professor and Chair

**Health Science Administrator**
- Chanita Hughes-Halbert
CURE Session

1. Predoctoral Students (F31)
2. Postdoctoral Fellows and New Investigators (K awards)
Ruth L. Kirschstein NRSA Individual Predoctoral Fellowship to Promote Diversity in Health-Related Research (F31)


Application receipt: Dec. 8, April 8, and August 8
Career Development (K) Awards to Promote Diversity

*Investigators in faculty positions are not eligible*
## K Award Mechanisms

**Due dates:** February 12, June 12, October 12

<table>
<thead>
<tr>
<th>K Type</th>
<th>Mentored or Non-Mentored</th>
<th>Research Focus</th>
<th>Max Salary</th>
<th>Max R&amp;D Support</th>
<th>Duration</th>
</tr>
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<tbody>
<tr>
<td>K01</td>
<td>Mentored</td>
<td>All</td>
<td>$100k</td>
<td>$30k</td>
<td>3-5 years</td>
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<tr>
<td>K22</td>
<td>Non-Mentored</td>
<td>All</td>
<td>$100k</td>
<td>$50k</td>
<td>3 years</td>
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<tr>
<td>K08</td>
<td>Mentored</td>
<td>Clinical, Translational &amp; Patient-Oriented Research</td>
<td>$185k</td>
<td>$50k</td>
<td>3-5 years</td>
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### NCI CURE Program Staff Contacts

<table>
<thead>
<tr>
<th>Mechanism</th>
<th>PD Contact</th>
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<tbody>
<tr>
<td>Diversity and Re-entry Supplements</td>
<td>Drs. Alison Lin and Elena Schwartz</td>
</tr>
<tr>
<td>F31 Diversity</td>
<td>Dr. Nicole E. McNeil Ford</td>
</tr>
<tr>
<td>K01, K08, K22</td>
<td>Drs. John Ojeifo and Abigail Soyombo</td>
</tr>
<tr>
<td>R21 Diversity</td>
<td>Dr. Abigail Soyombo</td>
</tr>
<tr>
<td>R25 Research Education Grants</td>
<td>Dr. Alison Lin (R25 YES) Dr. Davyd Chung (R25 Research Experiences and R25 Courses for Skills Development)</td>
</tr>
<tr>
<td>Program Analyst</td>
<td>Rita LaPointe</td>
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Stay Connected

@ncicrchd

NCI Center to Reduce Cancer Health Disparities (CRCHD)

crchd.cancer.gov

Contact your NCI Program Directors and GMaP Regional Coordinating Director