NCI Center to Reduce Cancer Health Disparities

The Geographical Management of Cancer Health Disparities Program (GMaP)

Dr. Anil Wali
Program Director
Center to Reduce Cancer Health Disparities
National Cancer Institute
National Institutes of Health

PD & MRW May 23, 2016
Overcome cancer health disparities through research and diversity training

- Promote research in cancer health disparities
- Increase diversity in cancer biomedical workforce
- Build capacity and foster synergy between research, training, and outreach to increase cancer health equity
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 CHD
Outreach, education, clinical trial recruitment

Spawning CHD Research

R21/R01 Basic CHD Research
Cancer Models
P01 Technical Workshop

Networks for Research, Training & Outreach – GMaP and National Outreach Network (NON)

6 GMaP Regions
37 NON Cancer Centers with CHEs
GMaP is a systematic and comprehensive strategy for building region-based “hubs or networks” for the support and efficient management of cancer and cancer health disparities (CHD) research, training, and infrastructure.
GMaP Operational Framework

- Community-Based Research
- Clinical Research
- Basic Research
- Workforce Diversity

Coordinating Regional “Hubs”

Dissemination - Collaboration

Prevention | Early Detection | Diagnosis | Treatment | Survival/Quality of Life | End of Life Care

Addressing Cancer Health Disparities
Strategic Aims of GMaP: Opportunities for Collaboration and Networking

GMaP seeks to…

• **Support and Strengthen Workforce Diversity**
  – Increase number and quality of competitive grant applications and awards from underrepresented trainees/students and investigators via CURE
    • *Diversity Supplements, F31, Career Development (Ks), R21 Diversity Training, and CPACHE*

• **Increase CHD Research**
  – Facilitate CHD Research through capacity building efforts in a broad range of basic, clinical, translational and behavior/population based topics
    • *R21/R01 Basic Research in Cancer Health Disparities, and CPACHE*

• **Strengthen Community Education/Outreach**
  – Increase NCI’s ability to reach underserved communities with cancer information and engage underserved communities in cancer research
    • *NON CHEs and CPACHE*

• **Regionalize CHD Information/Resource/Best Practice Dissemination**
  – Increase disparities related information dissemination
  – Promote resource/best practice sharing regionally to foster collaboration and team science
Geographical Management Program (GMaP)

- Foster team science
- Promote cross-training in emergent areas of science and in basic, clinical, and population-based science
- Enhance personalized career mentoring
- Share successful training and research models
- Identify and link URM trainees, students, and ESI to available career development and academic job opportunities to build critical mass

GMaP: enhancing workforce diversity through regional career development and mentoring linkages
GMaP Benefits

• Encourages information dissemination and resource/best practice sharing and exchange
  – E-newsletter with training and funding opportunities, job opportunities, and resources/tools
  – Regional websites
  – Social media

• Regional networks connect trainees with career/professional development opportunities to enhance competitiveness of underrepresented new/ESI
  – Individual scholar-RCD interactions
  – Group science sharing sessions
  – Mentoring opportunities
  – Group grant writing workshops
  – Travel scholarships (competitive)
  – Conference networking sessions
  – State-of-the-art core facilities and shared resources available at partnering institutions of network members (NCI CCC, Academic hospitals, CBOs, MSI)

GMaP facilitates intra-regional networking among trainees, community health educators, investigators, and community organizations to enhance NCI’s ability to promote workforce diversity and cancer/CHD research advances.
Regionalized Information Dissemination

Extending NCI’s Reach to Underserved Communities through GMaP Regional Networks

- Training & Research Funding Opportunities
- Resources & Tools
- Job Opportunities

CRCHD E-blast

6 GMaP Regions

- 580 CURE Scholars
- 650 CHD Researchers
- 59 NON CHEs

Dissemination
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

TRAINED

- High School
- Undergraduate
- Pre-doctoral
- Postdoctoral
- Investigators
CURE

Goal
Scientific Independence & Self-Sustainability

Acquire data and submit R01, collaborate and explore job opportunities

R21

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

K Awards

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

F31

Available at all career stages

Supplements

Acquire research skills

Publish

Write grants

Network

Present your scientific data

Work with your Program Officer!!
Growing K-Series Career Development Grants

<table>
<thead>
<tr>
<th>Year</th>
<th># of Applications</th>
<th># of Awards*</th>
</tr>
</thead>
<tbody>
<tr>
<td>2001</td>
<td>10</td>
<td>5</td>
</tr>
<tr>
<td>2002</td>
<td>17</td>
<td>9</td>
</tr>
<tr>
<td>2003</td>
<td>29</td>
<td>12</td>
</tr>
<tr>
<td>2004</td>
<td>27</td>
<td>10</td>
</tr>
<tr>
<td>2005</td>
<td>44</td>
<td>10</td>
</tr>
<tr>
<td>2006</td>
<td>48</td>
<td>9</td>
</tr>
<tr>
<td>2007</td>
<td>29</td>
<td>12</td>
</tr>
<tr>
<td>2008</td>
<td>24</td>
<td>9</td>
</tr>
<tr>
<td>2009</td>
<td>29</td>
<td>11</td>
</tr>
<tr>
<td>2010</td>
<td>25</td>
<td>8</td>
</tr>
<tr>
<td>2011</td>
<td>22</td>
<td>11</td>
</tr>
<tr>
<td>2012</td>
<td>26</td>
<td>15</td>
</tr>
<tr>
<td>2013</td>
<td>30</td>
<td>10</td>
</tr>
<tr>
<td>2014</td>
<td>33</td>
<td>10</td>
</tr>
<tr>
<td>2015</td>
<td>33</td>
<td>9</td>
</tr>
</tbody>
</table>

*documented in IMPAC II

Mentor
- Sponsorship
- Networking
- Grantsmanship
- Role Model

Trainee/Mentee
- Confidence
- Self-Esteem
- Enhance Research Skill
- Communication Skills
- Commitment

Program Officer
- Advise on Funding
- Professional Opps
- Grants Management

K-series CURE Award

GMaP Regional Support
- Tools/Resources
- Communication
- Technical assistance
### Objective: To provide “protected time” and support the career development of qualified individuals to reach research independence.

<table>
<thead>
<tr>
<th>Mechanism</th>
<th>Degree Level</th>
<th>Research Focus</th>
<th>Details</th>
</tr>
</thead>
</table>
| **K01** Mentored **PAR-15-053** | PhD or equivalent | Basic, Population, Behavioral research | • Up to $100 K salary  
• Up to $30 K R&D support  
• 3-5 years |
| **K08 & K23** Mentored **PAR-15-060 PAR-15-062** | MD, MD/PhD, or equivalent | Clinical (Translational/Patient-oriented) research | |
| **K22** Non-Mentored **PAR-15-063** | PhD, MD, MD/PhD, or equivalent | Basic, Population, Behavioral, Clinical research | • Up to $100 K salary  
• Up to $50 K R&D support  
• 3 years |

- Participation in Professional Development Workshop including Mock Review Session
What Do We Look for in a Career Development Application?

<table>
<thead>
<tr>
<th>Candidate</th>
<th>Research Plan</th>
<th>Career Development and Mentoring Plan</th>
</tr>
</thead>
<tbody>
<tr>
<td>• Excellent past training &amp; some experiences</td>
<td>• Good training vehicle to establish your niche &amp; portable</td>
<td>• Well-written career development plan</td>
</tr>
<tr>
<td>• Highly productive (good publication record)</td>
<td>• Sound approach (appropriate research design and feasible)</td>
<td>• Matched expertise &amp; strong mentoring track record of mentor(s)</td>
</tr>
<tr>
<td>• Strong career goals</td>
<td>• Well-written with good alignment with your career goals</td>
<td>• Strong reference letters</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• Strong environment &amp; unconditional institutional support</td>
</tr>
</tbody>
</table>
NCI CURE Program Officer Contacts

Dr. Alison Lin – Diversity Supplements, Supplements to the CURE

Dr. Nicole E. McNeil – F31

Dr. John Ojeifo – K08, K22, K23, u54

Dr. Davyd Chung – K01, R21 Diversity, R25, SCORE

Dr. Behrous Davani – P20, Diversity Supplements

Dr. Tiffany Wallace – R21 Disparity, R01

http://www.cancer.gov/about-nci/organization/crchd/about/contact
Getting Connected…

• Sign-up to receive your regional GMaP newsletters
• Link appropriate staff contacts (e.g., researchers, outreach, trainees) with your GMaP Regional Coordinator Director
  – GMaP Welcome Letter
  – CRCHD E-Blast
• Contact one of the GMaP or NON program directors
  – GMaP: Dr. Anil Wali (walia@mail.nih.gov)
  – GMaP: Dr. Liz Perruccio (liz.perruccio@nih.gov)
  – NON: Dr. Precilla Belin (precilla.belin@nih.gov)
  – NON: Ms. Sandra San Miguel-Majors (sandra.sanmiguel@nih.gov)

http://crchd.cancer.gov @ncicrchd
Backup
Cooperation, Collaboration, and Team Science Opportunities

GMaP

• Opportunities to increase CURE pipeline with junior and early-stage investigators
  – CURE Connections: Diversity Supplements, F31, Ks, and R21 Diversity Training

• Expanded capacity to develop and address disparities research questions through collaborative CHD research studies
  – GMaP Researcher-Investigator Webinar/Meeting
  – R21/R01 Basic CHD Research

• Access to regional infrastructure for information dissemination, resource sharing, community outreach, and CT recruitment
  – Outreach-NON CHE Regional Teleconferences/Webinars