Fogarty International Center
NIH/Fogarty International Center
Support to Build Research Capacity

Jeanne McDermott
Div of Training & Research
Fogarty International Center, NIH

Outline

• FIC within NIH
• Strategic Plan
• Research and Research Training Programs in context of Strategic Plan
• Q&A

U.S. Department of Health and Human Services

The Secretary
Deputy Secretary

Administration for Children and Families (ACF)
Administration on Aging (AOA)
Food and Drug Administration (FDA)
Health Resources and Services Administration (HRSA)

Centers for Medicare and Medicaid Services (CMS)
Agency for Health Care Policy and Research (AHCPR)
Indian Health Services (BHR)
National Institutes of Health (NIH)

Centers for Disease Control and Prevention (CDC)
Agency for Toxic Substances and Disease Registry (ATSDR)
Substance Abuse and Mental Health Services Administration (SAMHSA)
Program Support Center (PSC)

Agency for Toxic Substances and Disease Registry (ATSDR)
Agency for Health Care Policy and Research (AHCPR)
Centers for Disease Control and Prevention (CDC)
Food and Drug Administration (FDA)
Health Resources and Services Administration (HRSA)
National Institutes of Health (NIH)
FIC: “Science for Global Health”

- Research and Research Training Grants
- Focus in low-and middle income countries
- Expect collaborations & partnerships
- Emphasis on institutions
- Strong NIH partnerships
- RT-On-going collaborative research platform
- RT-Variety of training for wide range of professionals

Fogarty International Center Approach to Strengthening Research Capacity

EFFECT
- Re-enforces individual & institutional partnerships; mutual reinforcement, empowerment & mutual respect
- Reduces brain drain by strengthening local capacity; fosters long-term mentoring
- Responds to local needs & priorities; flexible; encourages networking & leveraging
Pathways to Global Health Research  
FIC Strategic Plan: 2008-2012

1. Mobilize the scientific community to address the shifting global burden of disease and disability.
2. Bridge the training gap in implementation research.
3. Develop human capital to meet global health challenges.
4. Foster a sustainable research environment in low- and middle-income countries.
5. Build strategic alliances and partnerships in global health research and training.

Goal 1  
Mobilize and disability the scientific community to address the shifting global burden of disease

<table>
<thead>
<tr>
<th>Region</th>
<th>Disease Burden Distribution by Select World Bank Region, 2001</th>
</tr>
</thead>
<tbody>
<tr>
<td>E. Asia/ Pacific</td>
<td>66% Communicable, maternal, perinatal, and nutritional conditions, 22% Noncommunicable diseases, 11% Injuries</td>
</tr>
<tr>
<td>Europe/ Central Asia</td>
<td>12% Communicable, maternal, perinatal, and nutritional conditions, 14% Noncommunicable diseases, 9% Injuries</td>
</tr>
<tr>
<td>Latin America/ Caribbean</td>
<td>76% Communicable, maternal, perinatal, and nutritional conditions, 22% Noncommunicable diseases, 14% Injuries</td>
</tr>
<tr>
<td>M. East/ N. Africa</td>
<td>65% Communicable, maternal, perinatal, and nutritional conditions, 13% Noncommunicable diseases, 27% Injuries</td>
</tr>
<tr>
<td>High-income countries</td>
<td>59% Communicable, maternal, perinatal, and nutritional conditions, 14% Noncommunicable diseases, 27% Injuries</td>
</tr>
<tr>
<td>World</td>
<td>53% Communicable, maternal, perinatal, and nutritional conditions, 8% Noncommunicable diseases, 37% Injuries</td>
</tr>
</tbody>
</table>

Note: Percent are rounded.

Source: Disease Control Priorities in Developing Countries, second edition, 2006, Table 4.1

Research and Research Training Programs

- Brain Disorders in the Developing World
- International Tobacco & Health Research & Capacity building

Research Training
- HIV-related
- Non HIV Infectious Disease
- Population Health
- Trauma and Injury
- Environmental & Occupational Health
- Chronic, Non-Communicable Diseases and Disorders Across the Lifespan
Goal 2
Bridge the implementation research training gap

Implementation Science
- Standard of Care
- General practice
- Evidenced Based Interventions
- Clinical trials research
- Observational research
- Epidemiology
  - Basic social sciences
  - Basic behavioral sciences
  - Basic biomedical sciences

Large scale implementation
Identify effective interventions
Understand the problem

Goal 3
Develop human capital to meet global health challenges

The Disease Control Priorities Project
http://www.dcp2.org/main/Home.html

Grant Dorsey, MD, PhD
UCSF-IRSDA

Leo Ribeiro-Filho, MD, PhD
Brazil-GRIP

Investing in Future Researchers & Leaders

Nathan Wolfe, DSc MA
UCLA-IRSDA/Pioneer

Jose Vazquez-Prado, PhD
Mexico-GRIP
For Future Researchers and Leaders in LMIC

Research Training programs (already discussed)
Research - GLOBAL HEALTH RESEARCH INITIATIVE PROGRAM FOR NEW FOREIGN INVESTIGATORS (R01)
- Help overcome a major barrier to returning LMIC scientists
- Continue the investment already made
- Increase the pool of collaborating LMIC researchers
- Work on problems of local concern
- Continue to strengthen the research capacity in the foreign site

For Future US Researchers & Leaders
3-5 yrs (salary, some research expenses, incl travel)

International Research Scientist Development Award (IRSDA) K01
- junior U.S. scientists (within 7 yrs of training)
- to pursue careers in research on global health & prepare them for independent research careers.

Independent Scientist in Global Health (ISGH) K02
- tenure-track faculty without research awards
- tenured faculty with independent NIH research awards
- non-tenured faculty with independent NIH research awards

For Both US & LMIC Future Researchers & Leaders

Fogarty International Clinical Research Scholars & Fellows

- Builds research collaborations
- Provides mentored one-yr clinical research opportunities
- Scholars: Pair US with LMIC

Goal 4
Foster a sustainable research environment in low- and middle-income countries

Sustainable Research Environment

- International Research Ethics Education And Curriculum Development Award – “Experts”
- Informatics for Global Health
- Direct awards to foreign sites
- Medical Education Partnership Initiative (MEPI)-support to strengthen clinical and research capacity of medical education in African institutions

Goal 5
Build strategic alliances and funding partnerships in global health research & training

- Trans-NIH Global Health Committee
- Obama Administration Global Health Initiative
- Partnerships –MEPI 10 NIH I/C/O and 6 other USG
NIH Budget

NIH Budget

FY 2007 Co-Funding of FIC Awards

Total FY 2007 Awarded Extramural Dollars = $74,951,000
Co-funding by NIH ICs (and others) = $21,306,000 (28%) total awarded dollars

25 Co-funding Components

Source: IMPACII

Figure 2: FY2007 Incoming Co-funding

FY 2007 FIC Co-Funding to Other Partners

FIC FY 2007 Awarded Extramural Dollars = $50.1 Million
Co-funding to NIH ICs (and others) = $1,789,000 or (3.57%) total of FIC Extramural Dollars

15 Co-funding Partners

Source: DataWarehouse

Figure 3: FY2007 Outgoing Co-funding
Questions?

FIC Web Site: WWW.FIC.NIH.GOV