NCAB ad hoc subcommittee

Presentation by
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Global Cancer Trends (IARC)

Human Development Index (2008-2030)

- **Highest HDI**: Breast, lung, colorectum, prostate cancers (over 50%)
- **Medium HDI**: Add esophagus, stomach, liver; **Low HDI**: cervical cancer

Non-Communicable Disease Burden is Increasing Worldwide

Data: Global Burden of Disease Study 2010
NCI’s Global Priorities

• Support Cancer Research Globally
• Train International Scientists
• Engage in Cancer Control Planning
CGH Priorities in Global Health

• Strengthening global cancer research
• Building a global cancer research community
• Translating research results into practice
History of CGH

• Announced in 2011 by Dr. Varmus

• Intention to serve as focal point for NCI Global activities

• Merged personnel and budget from
  – Office of International Affairs
  – Office of Latin America Cancer Program Development
  – Liaison Office (Brussels)
  – China Cancer Office
OD Budget (including research grants)

Total Budget: $1.5B

- SPORES
- K awards
- U, D, S and R
- NRSA Fellowships
- Contracts
- Intramural
- RMS
- CGH
Specific Programmatic Highlights

- Development of a CGH research Program
- Deep Dive: Kenya
- Networks: Burkitt Lymphoma as an example
Development of Research Program

Concept development to FOA CGH leads:
- RFP NCI-Designated Cancer Center Supplements (‘13)
- PAR 15 155 NCI designated cancer centers P 30 supplements for global health research
- RFA 15 007: NCD Regional centers for research excellence
- PA 16 086 NCI designated cancer centers P 30 supplements for Burkitt’s Lymphoma pilot projects

Co-development with other divisions and centers:
- K 43 career development award for global health research (FIC)
- K 01 career development award for global health research (FIC)
- R 21 NCD across the lifespan (FIC)
- UH02/03 low cost technology coordinated by CGH, multiple divisions
NCI-Designated Cancer Centers – African Projects

[Map of Africa showing designated cancer centers and projects]
Joining forces to overcome cancer: The Kenya cancer research and control stakeholder program


Initial 2016 Evaluation Highlights

- 67% respondents reported increased interactions with Ministry of Health;
- Kenyan Government has funded 5 new cancer registry staff to match NCI funds;
- 33% of respondents reported they were able to better leverage USG investments in Kenya;
- 33% of respondents reported submission of grant applications and development of regional research networks
Burkitt Lymphoma Research Network

- **P30 supplements** (June 2016)
  - 7-10 LMIC centers $100K x 2 yrs
- **U01** (2018) supporting the network

Research Projects for Burkitt Lymphoma Research Network

1. **Implementation Science project** – Develop resource-appropriate diagnostic and treatment platforms
2. **Biology of regional associated cancer** – comparison of molecular biology/genomics of Burkitt lymphoma - endemic (Africa vs. Latin America) vs. EBV(-) vs. HIV associated
3. **Precision Cancer Prevention** – Africa in optimal platform to test potential EBV vaccines
Questions?

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