



NCI Center for Global Health update

Satish Gopal MD MPH

7th Virtual Joint BSA/NCAB Meeting

NCAB Ad Hoc Subcommittee on Global Cancer Research

CGH 2021-2025 Strategic Plan

2011

...we have recently established the NCI Center for Global Health, which will develop an appropriate research strategy to help incorporate cancer control into global health programs; foster relevant research activities throughout the NCI's own extramural and intramural divisions; and work closely with the many potential collaborators who have displayed an interest in shared objectives.

2021

To fulfill President Biden's exhortation to "end cancer as we know it," it will be necessary to reduce cancer morbidity and mortality globally...As the Center for Global Health prepares to enter its second decade, the Center has developed an updated 5-year strategy to address these issues and to renew the NCI's commitment to a leadership role in global cancer research and control.

COMMENTARY | POLICY

Integrating Cancer Control into Global Health

Harold Varmus* and Edward L. Trimble

+ See all authors and affiliations

Science Translational Medicine 21 Sep 2011:
Vol. 3, Issue 101, pp. 101cm28
DOI: 10.1126/scitranslmed.3002321

This Issue Views **8,620** | Citations **2** | Altmetric **80** | Comments **1**

Viewpoint

August 6, 2021

Cancer as a Global Health Priority

Satish Gopal, MD¹; Norman E. Sharpless, MD¹

» Author Affiliations

JAMA. 2021;326(9):809-810. doi:10.1001/jama.2021.12778

Mission, vision, values

NCI mission

Lead, conduct, and support cancer research across the nation to advance scientific knowledge and help all people live longer, healthier lives.

CGH mission

Support the NCI mission by advancing global cancer research, and by coordinating NCI engagement in global cancer control.

CGH vision

Reduced worldwide cancer suffering through global scientific discovery and dissemination.

CGH core values

Impact, equity, collaboration

Goals

Research

Support innovative, impactful research that (a) addresses key scientific issues in global cancer control and/or (b) leverages unique scientific opportunities afforded by global collaboration.

Research training

Support cancer research training that enables equitable, impactful global scientific collaboration.






Dissemination

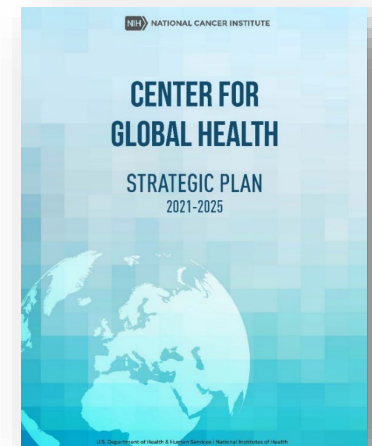
Promote the integration of current scientific knowledge into global cancer control policies and practice.

Partnerships

Represent the NCI and promote its engagement with key partners in global cancer research and control.

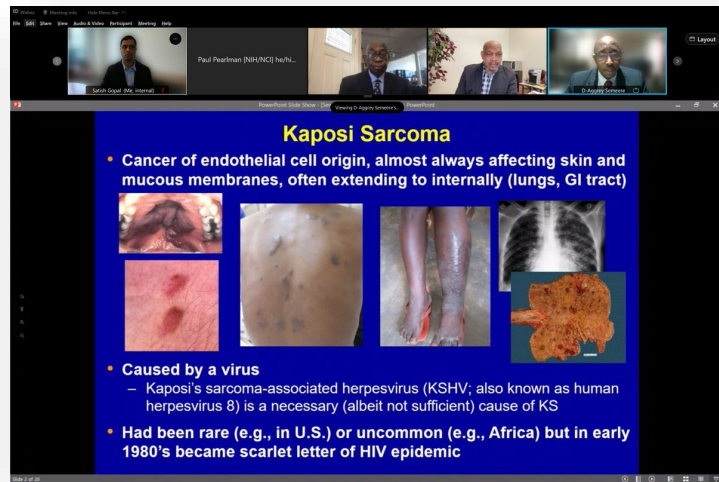
Research themes

-  Accelerate technology development for global cancer control.
-  Accelerate global cancer implementation science.
-  Understand and address global cancer health disparities.
-  Increase support for cancer clinical trials in LMICs.
-  Increase understanding of cancer etiology and biology through global collaboration.



Recent research highlights *(technology development)*

- Reissued Affordable Cancer Technologies program (RFA-CA-22-020) with 3 planned cohorts FY22, FY23, FY24
 - **Reissuance approved BSA/NCAB meeting 12/2020**
 - **Program update NCAB subcommittee meeting 2/2022**

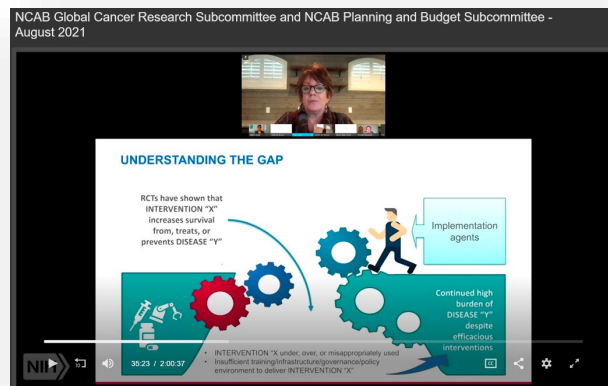


New Affordable Cancer Technologies FY22 U01 awards

1	Development and Validation of an Artificial-Intelligence-enabled Portable Colposcopy Device for Optimizing Triage Alternatives for HPV-based Cervical Cancer Screening	U01CA269192 MPI Ramanujam, Bukusi, Huchko	Duke University Kenya Medical Research Institute
2	Artificial Intelligence based Radiotherapy treatment planning for Cervical and Head and Neck Cancer	U01CA269143 PI Aggarwal	University College London University of Cape Town
3	KeyScope: The Key to Sustainable Cancer Diagnosis and Treatment in Uganda	U01CA269190 PI Fitzgerald	Duke University Makerere University
4	Adapting a point of use test card, the chemoPAD, for protecting chemotherapy drug quality in sub-Saharan Africa	U01CA269195 PI Lieberman	University of Notre Dame Addis Ababa University
5	Rapid Sample-to-Answer Diagnosis of Kaposi's Sarcoma Across Sub-Saharan Africa using KS-COMplete	U01CA269199 MPI Erickson, Cesarman, Martin, Semeere	Cornell University Makerere University
6	An AI-enabled Digital Pathology Platform for Multi-Cancer Diagnosis, Prognosis and Prediction of Therapeutic Benefit	U01CA269181 MPI Madabhushi, Parmar	Emory University Tata Memorial Center
7	Low-Cost CRISPR-on-Paper for Cervical Cancer Screening at the Point of Care	U01CA269147 PI Liu	University of Connecticut

Recent research highlights *(implementation science)*

- New global cancer implementation science programs
 - **Discussed NCAB subcommittee meeting 9/2021**
 - HIV-IS-cancer control program (RFA-CA-21-056)
 - **Concept approved BSA/NCAB 6/2021**
 - Non-HIV IS-cancer control U54 (RFA-CA-22-019) for FY23 funding
 - **Concept approved BSA/NCAB 12/2021**

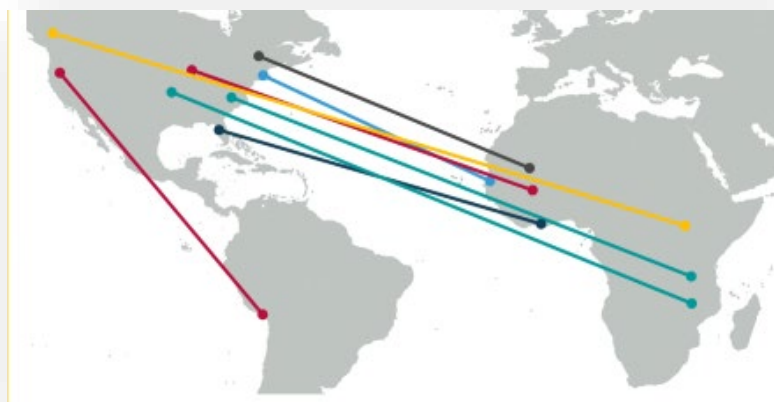


New HIV-IS-cancer control FY22 U01 awards

1	Integrated Model for the Prevention of Anal Cancer using screen and Treat for High-Grade Squamous Intraepithelial Lesions	U01CA275053 MPI Nowak, Adebajo	University of Maryland Baltimore Institute of Human Virology, Nigeria
2	Community, Home-based Education, Screening Services to increase cervical cancer control access for HIV-positive women in Nigeria	U01CA275113 MPI Flowers, Awolude, Ezechi, Gaydos, Oguniola	Emory University APIN Public Health Initiatives
3	West Africa Self-Sampling HPV Based Cervical Cancer Control Program for Women Living with HIV/AIDS: Barriers, challenges, and needs	U01CA275129 MPI Hou, Maiga, Holl	Northwestern University Jos University Teaching Hospital
4	Integrated delivery of cancer control interventions for adolescents and young adults living with HIV in Zambia	U01CA275054 MPI Subramanian, Mbizvo, Mwaba	Research Triangle Institute Clinical and Radiation Oncology Society of Zambia
5	Accelerating Cervical Cancer Elimination through the integration of Screen-and-treat Services	U01CA275118 MPI Aarons, Ezeanolue	University of California San Diego University of Nigeria
6	Testing adaptive strategies to close the gap from cervical cancer diagnosis to treatment in Botswana	U01CA275032 MPI Grover, Rendle	University of Pennsylvania University of Botswana
7	Botswana Smoking Abstinence Reinforcement Trial	U01CA275048 MPI Charurat, Himelhoch, Mbongwe	University of Maryland Baltimore Botswana-Umsom Health Initiative
8	Leveraging HIV infrastructure to implement cervical cancer prevention: A study to integrate HPV vaccination in adolescent HIV clinic in Zambia	U01CA275033 MPI Hunleth, Silver	Washington University Tropical Disease Research Center

Recent research training highlights *(extramural)*

- 8 new D43 awards in FY21/FY22 to initiate a global cancer research training network
- Increasing cancer applicants & awards to FIC K01/K43 global health programs
- New FY22 global mentored research training supplements for LMIC trainees working with established NCI-supported investigators



New institutional global cancer research training FY21/22 D43 awards

1	Cancer Genomics and Genomic Data Science for East Africa	D43CA260656 MPI Warren, Orem	Fred Hutchinson Cancer Research Center Uganda Cancer Institute
2	Bidirectional Training to Enhance Cancer Research Capacity in Africa	D43CA260640 PI Rebbeck	Dana-Farber Cancer Institute Institut Pour La Formation et la Recherche en Urologie
3	Vanderbilt-Zambia Cancer Research Training Program	D43CA270474 MPI Shu, Heimbürger, Mutale	Vanderbilt University University of Zambia
4	Ghana IntegRative Approach to Cancer ResEarch Training: The Grace Program	D43CA260649 MPI Yamoah, Giuliano, Yarney	Moffitt Cancer Center University of Ghana
5	Expanding Cancer Research Capacity in Nigeria with Team Science	D43CA260646 MPI Kingham, Alatise	Memorial Sloan Kettering Cancer Center Obafemi Awolowo University
6	Malawi Cancer Outcomes Research Program	D43CA260641 MPI Fedoriw, Chinula	University of North Carolina University of Malawi
7	Infection-Associated Cancer Research Training Program in Mali	D43CA260658 MPI Hou, Maiga	Northwestern University University of Sciences, Techniques, and Technologies of Bamako
8	UC Davis Multi-Disciplinary Cancer Research Training Program to Advance Precision Cancer Prevention and Care in Latin America	D43CA260869 MPI Carvajal Carmona, Fejerman	University of California Ayudas Diagnosticas Sura Instituto Nacional de Cancerlogia Universidad Peruana Cayetano Heredia

Recent research training highlights *(intramural)*

- Post-COVID resumption of Short Term-Scientist Exchange Program fall 2022 with 4 supported LMIC scientists in CCR/DCEG
- Supporting NCI fellow Global Health Interest Group initiation 2022

Dr. Mazvita Muchengeti exploring NCI-South Africa collaborations through STSEP & presenting at 18th International Conference on Malignancies in HIV/AIDS – October 2022

The slide features a header with images of laboratory work and books. Logos include **u^b** (University of the Free State), **IeDE Southern Africa** (International Epidemiology Databases to Evaluate AIDS), and **Swiss TPH** (Swiss Tropical and Public Health Institute). The main title is **The South African HIV Cancer Match Study**, presented by **Dr Mazvita Muchengeti, MBChB, PhD** (on behalf of the SAM study team). At the bottom, logos for the **NATIONAL HEALTH LABORATORY SERVICE** (National Cancer Registry) and the **NATIONAL INSTITUTE FOR COMMUNICABLE DISEASES** (Division of the National Health Laboratory Service) are shown, along with the **18th International Conference on Malignancies in HIV/AIDS** (October 24-26, 2022) Virtual Conference. A small video inset on the right shows Dr. Muchengeti speaking.

NCI Global Health Interest Group Global Health Equity Panel commemorating Nelson Mandela Day – July 2022

The screenshot shows a 3x5 grid of 15 video feeds. The participants are: Jack Murphy, Francine Baker, WARIIRU MBURU, Percy Guzman, Margarita Correa-Mendez, Laetitia Rispel, Ravi Kannan, EVELYN GITAU, Arachu Castro, Allison Frank, Rebecca Erickson, and Erinma Elibe. A banner at the bottom right features the **NIH NATIONAL CANCER INSTITUTE** logo and the text **Global Health Interest Group Global Health Equity Panel**.

Recent partnerships & dissemination highlights

- International Cancer Control Partnership 10-year anniversary 2022
- Annual Symposium on Global Cancer Research 10-year anniversary 2022
- CGH-DCCPS Global Cancer Stigma Research Workshop 9/2022
- Coordinating NCI participation in 10/2022 World Cancer Congress
- Recent NCI visits by
 - **Stella Kyriakides, European Commissioner for Health and Food Safety**
 - **Elisabete Weiderpass, International Agency for Research on Cancer Director**
- Support for upcoming US-Africa Leaders Summit side events
- Completing, analyzing, disseminating 2021 Global Oncology Survey of NCI-designated cancer centers
 - **For discussion today**

Commissioner Stella Kyriakides visit to NCI



IARC Director Elisabete Weiderpass visit to NCI



NCI visit to US Mission to International Organizations in Geneva



Ambassador Sheba Crocker
@USAmbGVA

Pleased to welcome to #InternationalGeneva Dr. Gopal, Director of the National Cancer Institute (NCI) Center for Global Health. We discussed global engagement in cancer research, including support for @POTUS' reignited #CancerMoonshot with its goal to #EndCancerAsWeKnowIt.



You and 2 others

9:35 AM · Oct 20, 2022 · Twitter Web App

11th Annual Symposium on Global Cancer Research

Closing the Research to Implementation Gap
April 4-6, 2023 – Virtual Meeting



Call for Proposals now open!



Scientific Steering Committee:

AORTIC, AACR, ASCO, ASPO, CUGH, SLACOM, NCI CGH

Submit your proposal today:

Scientific session proposals

- New this year! Submit a proposal for a 60-minute scientific session aligned with the Symposium theme

Scientific abstracts

- Accepted abstracts are eligible for publication in an AACR journal

Close date: December 30, 2022

#ASGCR23

cancer.gov/globalhealth
[@NCIGlobalHealth](https://twitter.com/NCIGlobalHealth)

satish.gopal@nih.gov
[@NCIGopal](https://twitter.com/NCIGopal)



**NATIONAL
CANCER
INSTITUTE**

cancer.gov

cancer.gov/espanol