



EDCTP

The power of sharing science



22nd International AIDS Conference
23-27 July 2018 • Amsterdam, the Netherlands

Breaking down barriers: HIV interventions in sub-Saharan Africa

EDCTP-SAMRC Joint satellite symposium

26 July 2018 | 07:00-08:30 | Session THSA02 Hall 11B



Supported by the
European Union



About EDCTP

The European & Developing Countries Clinical Trials Partnership (EDCTP) is a public–public partnership between institutions mandated by the governments of, currently, 14 European and 16 African countries, and supported by the European Union under Horizon 2020, its Framework Programme for Research and Innovation.

EDCTP's vision is to reduce the individual, social and economic burden of poverty-related infectious diseases in sub-Saharan Africa, by supporting collaborative research to develop accessible, suitable and affordable medical interventions.

Its mission is to enhance African research capacity and accelerate the development of new or improved medical interventions for the identification, treatment and prevention of poverty-related infectious diseases, including emerging and re-emerging diseases in sub-Saharan Africa, through all phases of clinical trials, with emphasis on phase II and III trials.

About the South African Medical Research Council

The South African Medical Research Council (SAMRC) has a mandate to improve the health of South Africa's population through research, development and technology transfer, so that people can enjoy a better quality of life.

The SAMRC conducts and funds research in a wide range of priority areas that include tuberculosis, HIV/AIDS, malaria, non-communicable diseases, mental health, maternal and child health, gender and health, health systems, burden of disease, anti-microbial resistance, and alcohol and other drug abuse. The SAMRC's internal and external programmes span basic laboratory science, clinical research, social and behavioural science, product development, and platform support.

South Africa is one of the EDCTP Participating States and a member of the EDCTP Association General Assembly, represented by the Department for Science and Technology and the SAMRC.

AIDS 2018 satellite symposium

EDCTP-SAMRC session on

Breaking down barriers: HIV interventions in sub-Saharan Africa

Considerable advances in HIV treatment regimens have sharply reduced HIV-related morbidity and mortality in recent years, yet barriers to the development, use, delivery and access to HIV prevention, diagnostic and treatment tools persist. This is particularly true in sub-Saharan Africa, where the HIV/AIDS burden is highest and vulnerable populations such as adolescents, children, women and co-infected individuals remain difficult to reach.

This symposium will highlight the specific challenges for reducing new HIV infections and containing the epidemic in key sub-Saharan African populations, such as non-optimal antiretroviral therapy, inadequate monitoring, poor treatment adherence, behavioural issues, high rates of lost to follow-up and inadequate health systems and services.

The session will demonstrate how African researchers are trying to overcome them together with international partners, including through locally developed solutions. A panel will discuss how collaborative African HIV research can address the challenges and needs identified. It will explore how best to engage the relevant actors to ensure the successful development and translation of research results into practical, accessible and affordable products and to improve their delivery and uptake in sub-Saharan Africa.

Agenda

Chairpersons

Quarraisha Abdool Karim, Centre for the AIDS Programme of Research in South Africa (CAPRISA), South Africa

Catherine Hankins, Amsterdam Institute for Global Health and Development (AIGHD), the Netherlands

06:45-07:00	Refreshments
07:00-07:10	Welcome and introduction Catherine Hankins and Quarraisha Abdool Karim
07:10-07:25	Introduction to EDCTP and SAMRC: funding priorities and opportunities Michael Makanga (EDCTP, the Netherlands) Glenda Gray (SAMRC, South Africa)
07:25-07:35	EDCTP project presentation: Improved urogenital infection management by targeted point-of-care testing in women in Kigali, Rwanda Janneke van de Wijgert, (UMC Utrecht, the Netherlands, University of Liverpool, UK)
07:35-07:45	SAMRC project presentation: Building research excellence in HIV vaccine science Lynn Morris (National Institute for Communicable Diseases, South Africa)
07:45-08:15	Panel discussion: How can future collaborative African HIV research address barriers to the development, use, delivery and access to HIV interventions in sub-Saharan Africa? <ul style="list-style-type: none">• Fareed Abdullah (SAMRC, South Africa)• Prince Bahati (International AIDS Vaccine Initiative, Kenya)• François Bompert (Drugs for Neglected Diseases initiative, Switzerland)• Andrew Kambugu (Infectious Diseases Institute, Makerere University, Uganda)
08:15-08:30	Discussion, including questions from the audience.

Biographies



Quarraisha Abdool Karim PhD

Professor Quarraisha Abdool Karim, Associate Scientific Director of CAPRISA, is an NRF A-Rated scientist and infectious diseases epidemiologist. She is Vice-Chairperson of the Board and Chair of the Research & Development Committee of the South African Medical Research Council. Her research focuses on understanding the evolving HIV epidemic in South Africa; factors influencing acquisition of HIV infection in adolescent girls; and sustainable strategies to introduce HAART in resource-constrained settings. Notably, she was the Principal Investigator of the landmark CAPRISA 004 tenofovir gel trial which provided proof of concept for microbicides. She has over 200 peer reviewed publications and has reviewed and/or contributed to several books and book chapters.

Professor Abdool Karim holds Professorships in Clinical Epidemiology at the Mailman School of Public Health, Columbia University, USA and in Public Health at the Nelson R Mandela School of Medicine, University of KwaZulu-Natal in South Africa. Between 1998 and 2015, she played a central role in building the research base in southern Africa through the Columbia University - Southern African Fogarty AIDS International Training and Research Programme that has trained over 600 scientists in southern Africa.

Quarraisha Abdool Karim is the recipient of many prestigious national and international awards. Moreover, she holds several international advisory positions, including membership of the UNAIDS Scientific Expert Panel and Scientific Advisor to the Executive Director of UNAIDS, Scientific Advisory Board member of the US President's Emergency Panel for AIDS Relief (PEPFAR), Chair of the PEPFAR Adolescent Girls and Young Women Expert Working Group, member of the HIV Centre Strategic Advisory Committee and the NIH OAR Microbicides Planning Group.



Fareed Abdullah MD

Dr Fareed Abdullah is the Director of the Office of AIDS and TB Research at the South African Medical Research Council based in Pretoria. He is an HIV clinician and a specialist in public health medicine.

He was Deputy Director General and Head of the AIDS Programme in the Western Cape Government from 1994 to 2006 where he led the implementation of the first public sector programmes for Prevention

of mother-to-child transmission of HIV and Anti-Retroviral Treatment programmes in South Africa. He has held senior management positions at the International HIV/AIDS Alliance (UK) and the Global Fund to Fight AIDS, TB and Malaria (Switzerland). From 2012 to 2017, he was the CEO of the South African National AIDS Council.



Prince Ngongo Bahati MSc IMBA

Prince Ngongo Bahati is the Executive Director managing Global Policy and Advocacy at the International AIDS Vaccine Initiative (IAVI) in Africa. He coordinates IAVI's Policy analysis to increase sustainable capacity for HIV research in the developing world, to accelerate translation of findings into policies and practices and to ensure country and civil society ownership of HIV R&D. Currently, he is the chair of the Research and Innovation task team that is developing the Kenya AIDS Strategic Framework and a member of the East African Community working group on HIV, TB and STIs research priorities and strategic plans.

Prince Bahati has over 20 years of experience in global health with a focus on HIV. Before joining IAVI, where he held various management positions, he worked for the Liverpool Associates in Tropical Health (LATH/LVCT). He managed projects for establishment of national guidelines on HIV counseling, care and treatment, and related capacity building in Kenya, Malawi, South Sudan, Nigeria and Somaliland on HIV and integration of HIV with TB and Sexual Reproductive Health.

He holds a Master of Science in Management and Organizational Development and a Master of International Business Administration from the United States International University – Africa (USIU-A) and a BA in Economics from the Catholic University of Bukavu (DRC Congo).



Catherine Hankins MD PhD FRCPC

Professor Hankins is Deputy Director Science of the Amsterdam Institute for Global Health and Development and Scientific Chair of its annual INTEREST conference on HIV in Africa. Moreover, she is Professor of Public and Population Health in the Faculty of Medicine at McGill University and Honorary Professor at the London School of Hygiene & Tropical Medicine. She chairs the Scientific Advisory Group of the USA National Institutes of Health's HIV Prevention Trials Network.

She was principal investigator of studies involving women, prisoners,

and people who inject drugs and of population-based epidemiological studies before joining UNAIDS in Geneva 2002. As Chief Scientific Adviser to UNAIDS, she led the scientific knowledge translation team focusing on ethical and participatory HIV prevention trial conduct, convening mathematical modelling teams, and supporting country implementation of proven biomedical HIV prevention modalities.

A trustee of the HIV Research Trust and member of the International AIDS Society Industry Liaison Forum, she was named to the Order of Canada in 2013.



François Bompert MD

François Bompert is Director of the Paediatric HIV / Hepatitis C Virus (HCV) Programmes at the Drugs for Neglected Diseases initiative (DNDi) in Geneva.

Prior to joining DNDi, François Bompert was Vice President, Access to Medicines at Sanofi. He chaired, from 2012 to 2016, the Global Health Working Group of the European Federation of Pharmaceutical Industries and Associations (EFPIA). Working with emerging and developing countries for more than 25 years, he developed an interest in ethical issues related to clinical research in resource-limited countries and in vulnerable populations.

François Bompert received his MD from the University of Angers (France) and trained in Clinical Pharmacology at University College London (UK) and the Hôpital Cochin in Paris.



Glenda Gray MBBCH, FCPaed (SA), DSc (honoris causa)

Prof. Glenda Grey, an NRF A1-rated scientist, is the CEO and President of the South African Medical Research Council (SAMRC). She is a qualified paediatrician and co-founder of the internationally recognised Perinatal HIV Research Unit in Soweto, South Africa. Prior to her appointment at the SAMRC, she was the Executive Director of the Perinatal HIV Research Unit, an affiliate of Wits University.

Glenda Grey's global profile includes roles such as Co-Principle Investigator of the HIV Vaccine Trials Network (HVTN), an international collaboration for the development of HIV/AIDS prevention vaccines. She is also Director of International Programmes for HVTN and Chairperson of the Board of the Global Alliance for Chronic Diseases, and a member of the Institute of Medicine of the National Academies, USA.

She received South Africa's highest honour - the Order of Mapungubwe - for her pioneering research in PMTCT. Other prestigious accolades include the Nelson Mandela Health and Human Rights Award for significant contributions in the field of mother-to-child transmission of HIV.



Andrew D Kambugu M.Med, FRCP (London)

Dr. Kambugu is the Sande-McKinnell Executive Director of the Infectious Diseases Institute (IDI) at Makerere University College of Health Sciences and is an honorary senior Lecturer in its Department of Medicine, and also teaches at the University of Minnesota (USA).

He received his basic medical training as well as his Master's in Internal Medicine at Makerere University in Uganda and followed specialist training in Infectious Diseases in the USA and Canada. He has over 12 years of clinical experience in HIV medicine and is a member of two National HIV Subcommittees (Adult Antiretroviral Therapy and HIV Drug Resistance) of the Ugandan Ministry of Health. He is the former Head of the Research Programme at IDI, where he also directed the HIV clinic for seven years.

Dr. Kambugu's research interests include HIV treatment outcomes in resource-limited settings, as well as the diagnosis and management of opportunistic infections in these settings with a focus on cryptococcal meningitis and tuberculosis. He has gained considerable experience in establishing clinical cohorts as well as conducting large clinical trials in Uganda. He spearheaded the development of a collaboration with the University of Zurich on HIV-TB co-infection.



Michael Makanga MD MSc PhD, FRCP Edin.

Dr Makanga is the Executive Director of EDCTP. He joined EDCTP in 2004, where he held various management positions. He was appointed as Director of South-South Cooperation and Head of EDCTP Africa Office in Cape Town, South Africa, in 2008. Moreover, he has served in various scientific and policy advisory boards for international product development and philanthropic organisations along with pharmaceutical companies involved in developing medicinal products for poverty-related infectious diseases.

He is a clinician-scientist from Uganda with 25 years of professional experience working on health and poverty-related diseases in sub-

Saharan Africa. This includes 21 years of work experience on medical product development and clinical regulatory activities. He holds a Medical Degree from Makerere University, Uganda, and has been in various clinical and research positions before and after completing a Master's at the University of Liverpool, and then a PhD at the Liverpool School of Tropical Medicine, United Kingdom.

Before joining EDCTP he was first in clinical practice and academia, and afterwards in clinical research where he served as Head of the Regulatory Clinical Trials Facility and Outpatient Clinic at the Kenya Medical Research Institute – Wellcome Trust Collaborative Centre, Kilifi, Kenya, which operates under the auspices of the universities of Liverpool and Oxford in the UK.



Lynn Morris DPhil

Professor Lynn Morris is a basic scientist at the National Institute for Communicable Diseases in Johannesburg, South Africa. Moreover, she is a Research Professor at the University of the Witwatersrand and an Honorary Senior Scientist within CAPRISA.

In 2016, she was awarded an A rating from the National Research Foundation for her significant contributions to the understanding of how the antibody response to HIV develops. Her laboratory plays an active role in HIV vaccine discovery and performs end-point antibody assays for the HIV Vaccine Trials Network (HVTN).

She has supervised over 30 PhD and MSc students and has published over 230 papers. Professor Morris is listed on the Thomson Reuters ISI list of the 3000 highest cited researchers in the world, for the past 3 years.



Janneke van de Wijger PhD MPH MSc

Dr Janneke van de Wijger is Professor of Infection and Global Health at the Julius Center, University Medical Center Utrecht, the Netherlands, and the Institute of Infection and Global Health, University of Liverpool, UK. The current focus of her research is sexually transmitted and urogenital infections, and the role of the human microbiome in reproductive and neonatal health.

Professor Van de Wijger lived and worked in the United States and Africa for 14 years. She co-founded three clinical research sites in Africa:

the UZ-UCSF Women's Health Program in Harare, Zimbabwe (1995); Rinda Ubuzima in Kigali, Rwanda (2004); and Centro de Investigação de Doenças Infecciosas (CIDI) at the Catholic University of Mozambique in Beira, Mozambique (2008). She has published more than 100 papers in peer-reviewed journals and books.

She is a translational infectious disease researcher, educated in medical biology, public health epidemiology and medicine, and with work experience in clinical epidemiological research, laboratory research, and product development. The focus of her research has been prevention, diagnosis and treatment of HIV and other STIs, including GCP-compliant clinical trials of new prevention technologies, evaluation of novel rapid diagnostics, and research on the cervicovaginal microbiome and mucosal immunology.

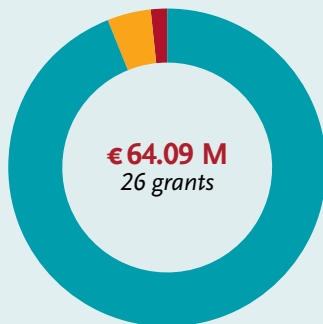
EDCTP portfolio: HIV & HIV-associated infections

2014-2017



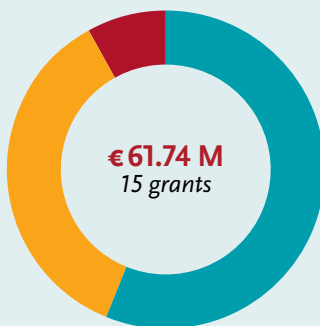
26 grants
€64.09 M

Type of grants: by activity



- Collaborative clinical trials and clinical studies, 9 grants
€60.31 M
- Fellowships, 15 grants
€2.79 M
- Evidence-informed policy, 2 grants
€0.99 M

Type of grants: by intervention



- Drugs (treatment and prevention), 10 grants
€34.65 M
- Vaccines, 3 grants
€22.24 M
- Diagnostics, 2 grants
€4.85 M

Note:

A further €2.35M for 11 HIV grants not related to a particular medical intervention.



34%

of the HIV studies involve **vulnerable populations** such as children, adolescents and pregnant women.



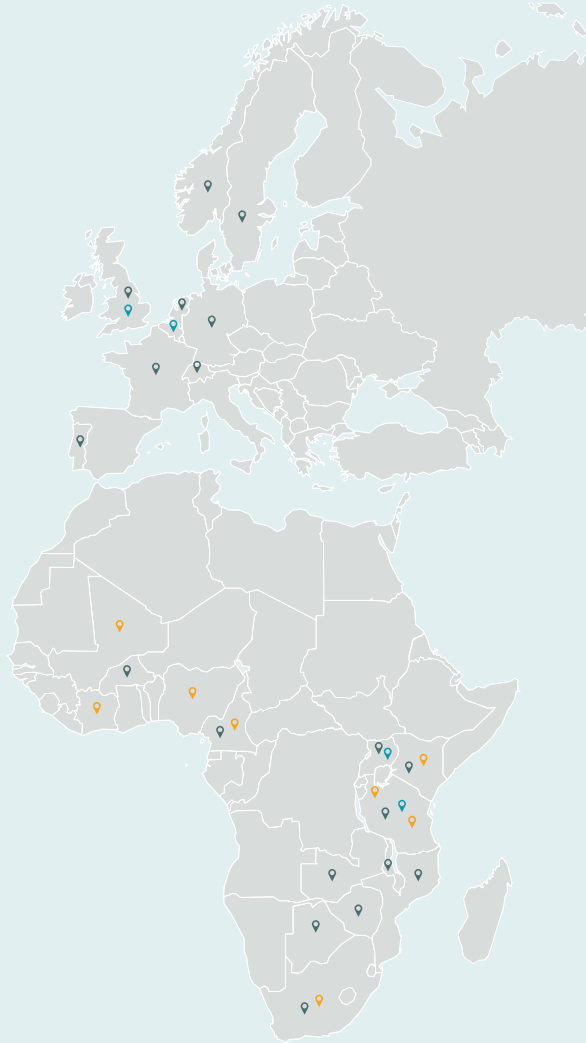
46%

of the HIV grants are **led by a female coordinator**.






73%

of the HIV grants are **coordinated by a sub-Saharan African institution**, including fellowship grants to sub-Saharan African researchers.



HIV grants: country involvement in EDCTP

-  Collaborative clinical trials and clinical studies
-  Capacity development (excluding fellowships)
-  Fellowship programme

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