

#EXIT THE WHO

PANDEMIC

TREATY

INTERNATIONAL

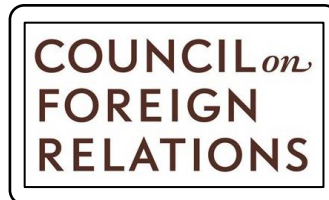
HEALTH REGULATIONS

Africa Health Security Architecture

**A cesspool of Corruption, Conflicts
of Interest and Corporate Greed**

Africa Health Security Architecture: A cesspool of Corruption, Conflicts of Interest and Corporate Greed

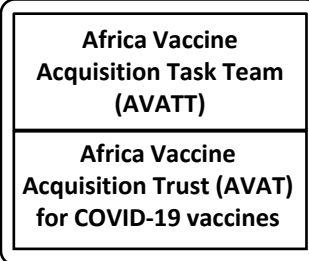
Policy Makers & Distributors



Policy Enforcers



African Regulatory Platforms



Corporate Partners



Senegal



Nigeria



Egypt

South African Enterprises

Vaccine Hubs



Partnerships for African Vaccine Manufacturing: Conflicts of Interest

PAVM Advisory Group



Ms. Ahunna Eziakonwa
UNDP – Chief of Africa



Dr. Akinwuni Adesina
AfDB – President



Pr. Benedict O. Oramah
Afreximbank – President



Mrs. Eva Kadill
UNICEF – Director, Supply Division



Dr. Francis Collins
NIH, USA – Director



Dr. George F. Gao
China CDC – Director General



Dr. Githinji Gitahi
AMREF – CEO



Ms. Glaudina Loots
Health Science Dpt of Science and Innovation – Director



Dr. John N. Nkengasong
AFCDC – Director



Prof. Kayum Ahmed
OSF – Division Director



Mr. Martin Seychell
Team Europe Initiative – Deputy Director General



Dr. Ngozi Okonjo-Iweala
WTO – Director General



Dr. Olive Shisana
South African Presidency – Senior Advisor to the President of South Africa



Pr. Peter Piot
Former Director at London School of Hygiene and Tropical Medicine



Mrs. Reeta Roy
MCF – CEO



Dr. Richard Hatchett
CEPI – CEO



Mr. Samalla Zubairu
AFC – President



Dr. Seth Berkley
Gavi – CEO



Dr. Soumya Swaminathan
WHO – Chief Scientist



Mr. Strive Masiyiwa
Econet Global – Executive Chairman



Dr. Trevor Mundel
BMGF – President, Global Health



Dr. Vera Songwe
UNECA – Executive Secretary



Dr. Wade Abel
LANAVET – Director General



Mrs. Winnie Byanyima
UNAIDS Executive – Director

Diseases prioritized by PAVM/FFA

Archetype	Disease	Does a vaccine exist?
Legacy	Hepatitis B, Diphtheria, Tetanus, Whooping Cough	✓
	Tuberculosis	✓
	Measles	✓
	Yellow Fever	✓
	Cholera	✓
	Typhoid	✓
	Meningococcus ¹	✓
Expanding	Human papillomavirus	✓
	Pneumococcus	✓
	Rotavirus	✓
	COVID-19	✓
	Malaria	✓
	HIV	✗
Outbreak	Ebola	✓
	Influenza ²	✓
	Chikungunya	✗
	Rift Valley fever	✗
	Lassa fever	✗
	Disease X	✗
Total		

1. Including key serogroups found in Africa (A, C, W and X)

2. Considering here outbreak Influenza

Diseases prioritized by WHO



World Health Organization

Health Topics ▾

Countries ▾

Newsroom ▾

Emergency

At present, the priority diseases are:

- COVID-19
- Crimean-Congo haemorrhagic fever
- Ebola virus disease and Marburg virus disease
- Lassa fever
- Middle East respiratory syndrome coronavirus (MERS-CoV) and Severe Acute Respiratory Syndrome (SARS)
- Nipah and henipaviral diseases
- Rift Valley fever
- Zika
- "Disease X"^{*}

This is not an exhaustive list, nor does it indicate the most likely causes of the next epidemic. WHO reviews and updates this list as needs arise, and methodologies change. Based on the priority diseases, WHO then works to develop R&D roadmaps for each one.

^{*} Disease X represents the knowledge that a serious international epidemic could be caused by a pathogen currently unknown to cause human disease. The R&D Blueprint explicitly seeks to enable early cross-cutting R&D preparedness that is also relevant for an unknown "Disease X".

The African Development Bank (AfDB), African Pharmaceutical Technology Foundation (APTF) in association with the African Union, will assist African pharmaceutical companies to scout for technologies and negotiate with global pharma to facilitate the local production vaccines, drugs, diagnostics, and therapeutics.

**African
Pharmaceutical
Technology
Foundation (APTF)**



**African Development Bank
(AfDB)**



World Health Organization

African Region



NRA

National Regulatory Authority



AVAREF

African Vaccine Regulatory Forum



National lot release by WHO-contracted laboratories

SAHPRA

South African Health Products Regulatory Authority

Mission

To facilitate and speed up vaccine delivery, clinical trial approvals

Regulatory Partnerships



Prequalification of Medicines Programme

AVAREF

African Vaccine Regulatory Forum



African Medicine Regulatory Harmonisation



International Council for Harmonisation



International Clinical
Trials Registry Platform



EUROPEAN MEDICINES AGENCY
SCIENCE MEDICINES HEALTH



International Medical Device Regulators Forum



IPRP
International Pharmaceutical
Regulators Programme



International Narcotics
Control Board



Pharmaceutical
Inspection Co-
operation Scheme



Uppsala
Monitoring
Centre



VICH



World Health Organization

African Region

WHO Afro Marketplace

Africa Innovators Network

ALLO SANTE	GIC Space	Healthbotics Limited	MobiCare	Umubyeyi
Côte d'Ivoire	Cameroon	Nigeria	Uganda	Rwanda
Online Doctor Chat Service	Smartphone Digital Microscopy	Virtual Digital Assistant using AI and blockchain technology for Clinical Documentation	Mobile Based Platform Access and consult doctors	Digital Health Platform for Maternal and Child health through the web, mobile, and mobile social media channels
H&S Technologies	Using Data-Driven Algorithms to Detect False Data Entries	Uganda Vacc+	DigiMat DigiTrack	V-safe After Vaccination Health Checker
Cameroon	United states of America	Uganda	Nigeria	Centers for Disease Control and Prevention
Medical equipment using 3D Technology	Identify potentially falsified digital vaccination records	OpenSRP + RapidPro for health workers	Calibrated weighing mats automatically transmit vaccine quantities in real time	



African Union Smart Safety Surveillance (AU-3S) Programme



Partners

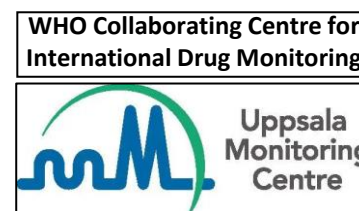


AU-3S programme is a Data Integration and Signal Detection (DISD) system, enabling in-country and cross-country near real-time access, downstream analysis and signal detection. To date, the programme has worked to improve electronic reporting for adverse events following immunization (AEFIs) by incorporating an AEFI form in the Med Safety App launched in 2021.

MedSafety App is available to over 400 million people for AEFI and Adverse Events of Special Interest (AESI) reporting, which has increased safety reporting for vaccines by 8-fold in the AU-3S pilot countries

SAHPRA launched (22 April 2021) the MedSafety App, a WEB-RADR project, a collaboration between the World Health Organisation (WHO), the WHO Collaborating Centre for International Drug Monitoring, the Uppsala Monitoring Centre (UMC), and the UK Medicines and Health products Regulatory Agency (MHRA),

AU-3S programme currently pilots its approach in Ethiopia, Ghana, Kenya, Nigeria and South Africa



African Union Special Envoy on Covid-19



Dr Ngozi Okonjo-Iweala



Trevor Manuel



Dr Donald Kaberuka



Tidjane Thiam



Strive Masiyiwa

Dr Ngozi Okonjo-Iweala: 'Global Elitist Hack'



Board Member



The ROCKEFELLER FOUNDATION

Board of Trustees (since 2009)

WORLD ECONOMIC FORUM

WEF/Agenda Contributor

Young Global Leader



THE WORLD BANK

Managing Director for Operations (2007 to 2011)

Development Economist



External Advisory Group

Member of Finance Committee (2003–2006, 2011–2015)

LAZARD

Senior Advisor (since 2015)



CARNEGIE ENDOWMENT FOR INTERNATIONAL PEACE

Member of the Board



Dr Ngozi Okonjo-Iweala



WORLD TRADE ORGANIZATION

Director-General



World Health Organization

Special Envoy for Access to COVID-19 Tools (ACT) Accelerator



Chair of the Board



DANONE ONE PLANET. ONE HEALTH

Board Member



THE BROOKINGS INSTITUTE

Distinguished Fellow



Minister of Finance Nigeria

the Education Commission

International Commission on Financing Global Education Opportunity

Member



Member of the Board of Directors (since 2018)



Partnerships for African Vaccine Manufacturing (PAVM) Framework for Action

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MINDS

MEMBER ADVISORY BOARD

THE GLOBAL COMMISSION ON THE ECONOMY AND CLIMATE

Co-Chair



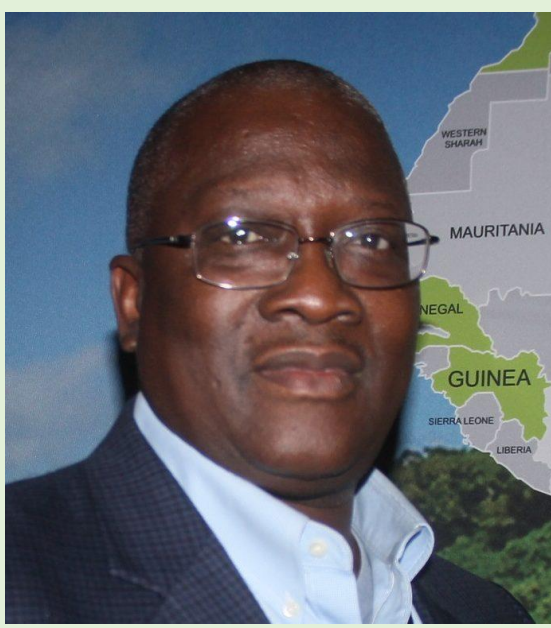
African Development Bank

Member of the International Advisory Panel (since 2016)



**AFRICAN VACCINE
MANUFACTURING
INITIATIVE**

Africa Health Security Architecture
A cesspool of Corruption, Conflicts of Interest and Corporate Greed



William Kwabena Ampofo

Chairman AVMI

WHO International Health Regulations Steering Committee

WHO Food and Drugs Authority Technical Advisory Committee on Vaccines and Biologicals

WHO Global Influenza Programme Technical Advisor

WHO IHR Emergency Committee on Ebola



Dr Simon Agwale

Director AVMI

CEO of Innovative Biotech

US Vaccine Research NIH and CDC

Lead of Bold Program 4 Partnerships for African Vaccine Manufacturing (PAVM)

Member of The European and Developing Countries Clinical Trials Programme (EDCTP)

WHO ECOWAS vaccines taskforce



Patrick Tippoo

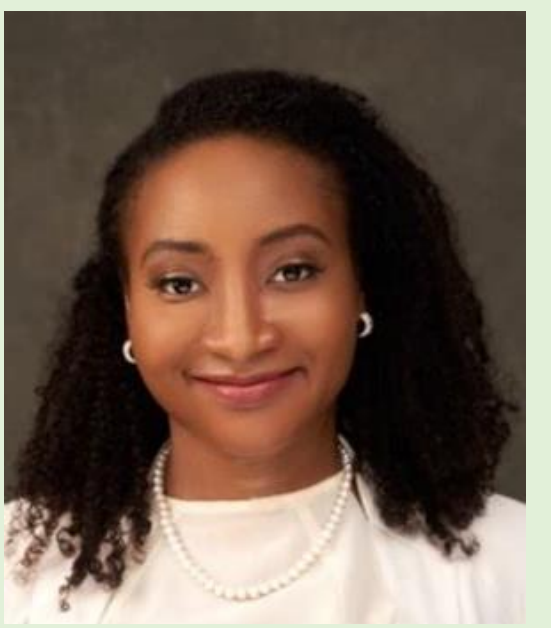
Executive Director AVMI

Chief Science and Innovation Officer BIOVAC

Lead, Vaccine Manufacturing Enterprise Working Group within the AU Covid-19 Commission

Vice-President of the Developing Country Vaccine Manufacturers Network

Chair of the Emerging Biopharmaceuticals Manufacturing Network (EBPMN)



Ms Tolu Disu

Director AVMI

Vaccines Basic Research with Merck 2009



World Health
Organization

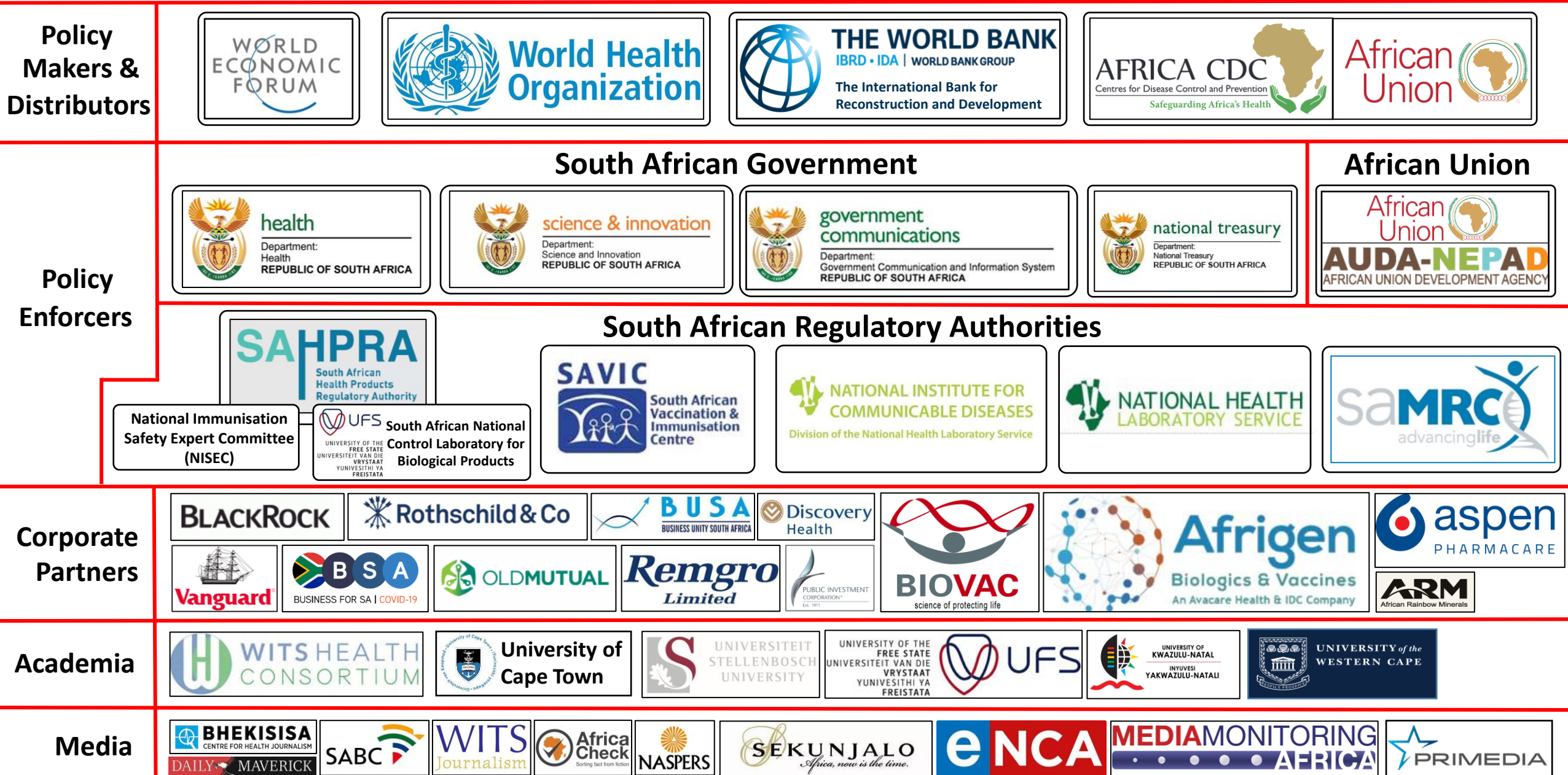


Influenza

South Africa

The South African Health Architecture

A Cesspool of Corruption, Corporate Greed and Conflicts on Interest



WHO COUNTRY COOPERATION STRATEGIC AGENDA (2016–2020)

Strategic Priorities	Main Focus Areas for WHO Cooperation
<p>STRATEGIC PRIORITY 1 Strengthening national efforts towards the attainment of Universal Health Coverage (UHC)</p>	<ul style="list-style-type: none"> Support the phased institutionalization of the NHI and specifically advance the National Health Insurance Fund Support the optimal distribution and effective utilization of the health workforce Strengthen the national regulatory authority (NRA) to ensure access to safe quality medical products and food
<p>STRATEGIC PRIORITY 2 Contribute towards reduction of the burden of communicable diseases, especially HIV, TB, STIs, hepatitis and vaccine-preventable diseases</p>	<ul style="list-style-type: none"> Strengthen capacity for scaling-up prevention, treatment and care for HIV, STIs and Hepatitis, including measures to promote adherence and prevent drug resistance Strengthen the prevention and treatment of TB, including M/XDR-TB to reduce the incidence, prevalence, and case fatality rates Promoting access to existing and new immunization products to reduce vaccine-preventable diseases
<p>STRATEGIC PRIORITY 3: Support the prevention and control of noncommunicable diseases, mental health disorders, violence and injuries</p>	<ul style="list-style-type: none"> Support improved management of the four main noncommunicable diseases (NCDs), namely cardiovascular diseases, cancers, diabetes and chronic respiratory diseases, in order to reduce morbidity and mortality
<p>STRATEGIC PRIORITY 4: Support South Africa in meeting its global health obligations while contributing to international health and development</p>	<ul style="list-style-type: none"> Support the implementation of International Health Regulations (2005) Support progress towards disease elimination and eradication Support the reduction of maternal and neonatal mortality in order to meet the SDGs and other international Commitments



Reference	Institution name	City	Country	Region	Title	WHO responsible officer
SOA-48	University of Pretoria	Pretoria,	SOUTH AFRICA	AFRO	WHO Collaborating Centre for Prevention of Deafness and Hearing Loss	CHADHA Shelly
SOA-49	University of the Free State	Bloemfontein	SOUTH AFRICA	AFRO	WHO Collaborating Centre for Vaccine Preventable Diseases Surveillance and Pathogens Genomics	MATHIU Jason Mwenda
SOA-38	University of KwaZulu-Natal	Durban	SOUTH AFRICA	AFRO	WHO Collaborating Centre for Pharmaceutical Policy and Evidence Based Practice	IYENGAR Swathi Bhargav
SOA-43	National Institute for Communicable Diseases	Johannesburg	SOUTH AFRICA	AFRO	WHO Collaborating Centre for Antimicrobial Resistance	COULIBALY Sheick Oumar
SOA-47	University of Cape Town	Cape Town	SOUTH AFRICA	AFRO	WHO Collaborating Centre for Trachoma	SOLOMON Anthony
SOA-14	University of South Africa (UNISA)	Pretoria	SOUTH AFRICA	AFRO	WHO Collaborating Centre for Postgraduate Distance Education and Research in Nursing and Midwifery Development	ASAMANI James Avoka
SOA-39	Stellenbosch University	TYGERBERG	SOUTH AFRICA	AFRO	WHO Collaborating Center for Bioethics	REIS Andreas Alois
SOA-45	University of Pretoria	Pretoria	SOUTH AFRICA	AFRO	WHO Collaborating Centre for Health in all Policies and Social Determinants of Health	PHORI Peter Malekele
SOA-18	University of Western Cape	Cape Town	SOUTH AFRICA	AFRO	WHO Collaborating Centre for Research and Training in Human Resource for Health Development	AHMAT Adam
SOA-34	University of Cape Town	Cape town	SOUTH AFRICA	AFRO	WHO Collaborating Centre for Mental Health and Psychiatry	GRAY Brandon
SOA-13	University of Natal	Durban	SOUTH AFRICA	AFRO	WHO Collaborating Centre for Educating Nurses and Midwives in Community Problem-solving	ASAMANI James Avoka
SOA-27	National Institute for Occupational Health (NIOH)	Johannesburg	SOUTH AFRICA	AFRO	WHO Collaborating Centre for Occupational Health	PEGA Frank
SOA-50	Sefako Makgatho Health Sciences University	Pretoria	SOUTH AFRICA	AFRO	WHO Collaborating Centre for Diarrhoeal Diseases Research and surveillance	MATHIU Jason Mwenda
SOA-5	University of Western Cape	Cape Town	SOUTH AFRICA	AFRO	WHO Collaborating Centre for Oral Health	MAKINO Yuka

SA Academia Collaborating with WHO – A case for Conflicts of Interest



CIDER made World Health Organization (WHO) Collaborating Centre for HIV Epidemiology and Research

List of WHO-contracted laboratories performing testing on behalf of WHO Regulation and Prequalification Department / Laboratory Networks and Services Team (Version: 29 June 2021)

Laboratories	Country	Physical testing on behalf of WHO /Vaccine component / Tests
<p>South Africa National Control Laboratory for Biological Products, University of the Free State</p> <p>https://www.ufs.ac.za/health/departments-and-divisions/national-control-laboratory-for-biological-products-home</p> <p>Postal address: Internal Box G49 University of the Free State PO Box 339, Bloemfontein 9300 SOUTH AFRICA</p>	<p>South Africa</p>	<p>Oral Poliomyelitis group of vaccines: Potency/ thermal stability Measles: Potency/ thermal stability Yellow Fever: Potency/ thermal stability Covid-19:</p>

South African National Control Laboratory for Biological Products Conflicts of Interest



SA Academia Collaborating with WHO – A case for Conflicts of Interest



**WHO Collaborating Centre
for HIV Epidemiology and
Research**



**NATIONAL INSTITUTE FOR
COMMUNICABLE DISEASES**

Division of the National Health Laboratory Service

**Regional reference laboratory for the
World Health Organization (WHO) Vaccine-
preventable Invasive Bacterial Diseases
(VP-IBD) Coordinated Global Surveillance
Network for the Southern African region**



SANBI
South African National
Bioinformatics Institute



**UNIVERSITY of the
WESTERN CAPE**

**WHO-AFRO Regional Center of
Excellence Bioinformatics**



South Africa: South African antimicrobial resistance national strategy framework

A One Health approach 2018-2024

2 January 2018 | Publication

SOUTH AFRICAN ANTIMICROBIAL RESISTANCE NATIONAL STRATEGY FRAMEWORK; A ONE HEALTH APPROACH 2018 – 2024

A (SA) national response to antimicrobial resistance is required to complement the development of a global action plan, as articulated in the World Health Organisation’s (WHO) resolution EB134/37 “Combating antimicrobial resistance including antibiotic resistance”, adopted by the World Health Assembly in May 2014.

Signature of Minister Of Health
DR A MOTSOLEDI, MP
 MINISTER OF HEALTH

Signature of Minister DAFF
MR S ZOKWANA, MP
 MINISTER OF AGRICULTURE, FORESTRY AND FISHERIES

MS MP MATSOSO
 DIRECTOR-GENERAL: HEALTH

MR RM RAMASODI
 ACTING DIRECTOR-GENERAL:
 AGRICULTURE, FORESTRY AND FISHERIES

Intergovernmental Negotiating Body (INB)

Conflicts of Interest



**World Health
Organization**

Intergovernmental Negotiating Body



Ms Precious Matsoso

(South Africa)

- * Member of the Executive Board of World Health Organisation**
- * Director General of the National Department of Health, SA**

**Co-Chairs of
Intergovernmental
Negotiating Body
(INB)
(February 24, 2022)**



Dr Roland Driece

(Netherlands)

- * Chair of the Global Health Security Agenda**
- * Vice-President, Conference of the Parties representing the European Region**

The INB was established to draft and negotiate a WHO convention, agreement or other international instrument on pandemic prevention, preparedness and response focused on a new revised International Health Regulations

Dr Precious Matsoso – “Global Elitist Hack” - Conflicts of Interest



Chair

Policy Review Committee



REPUBLIC OF SOUTH AFRICA

Chair

Ministerial Advisory Committee on e-Health



Honorary Lecturer

Department of Pharmacy & Pharmacology



REPUBLIC OF SOUTH AFRICA

Former Registrar

Medicines of the National Drug Regulatory Authority



Director-General

Chair of Technical National Health Council



Member

Health Regulatory Science Platform



Former Vice-chair and Chairperson

WHO Executive Board Member



Chairperson

Independent Oversight and Advisory Committee



Member

Emergencies Programme



Co-Chair

Digital Health Technical Advisory Group

The Independent Panel FOR PANDEMIC PREPAREDNESS & RESPONSE

Member



UNITED NATIONS



Member

UN High-Level Panel on Access to Health Technologies



Member



Member



Director

Technical Cooperation for Essential Medicines and Traditional Medicines



Dr Precious Matsoso



Director

Public Health Innovation and Intellectual Property



Vice-Chair

Anti-Microbial Resistance Committee

THE LANCET Global Health

Member

Commission on High Quality Health Systems



Member Board



Author



Author



Board of Directors

Think Global Health

COUNCIL on FOREIGN RELATIONS

Author



Participatory Leadership for Health

Member Advisory Group

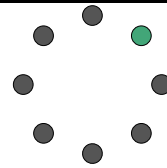
“It will require goodwill and commitment from countries. Where countries don’t commit, we will have to use other measures. We might look at whether we want to impose sanctions on those countries or come up with incentives”

Dr Precious Motsoso

Co-Chair at the WHO Pandemic Prevention Preparedness and Response



**The
Independent
Panel**
FOR PANDEMIC
PREPAREDNESS
& RESPONSE





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Tedros Adhanom Ghebreyesus
@DrTedros



Met this morning with Precious Matsoso, Co-Chair of the [#PandemicAccord](#) Intergovernmental Negotiating Body (INB). We discussed the negotiation progress so far and the upcoming meeting of the INB.



WHO South Africa

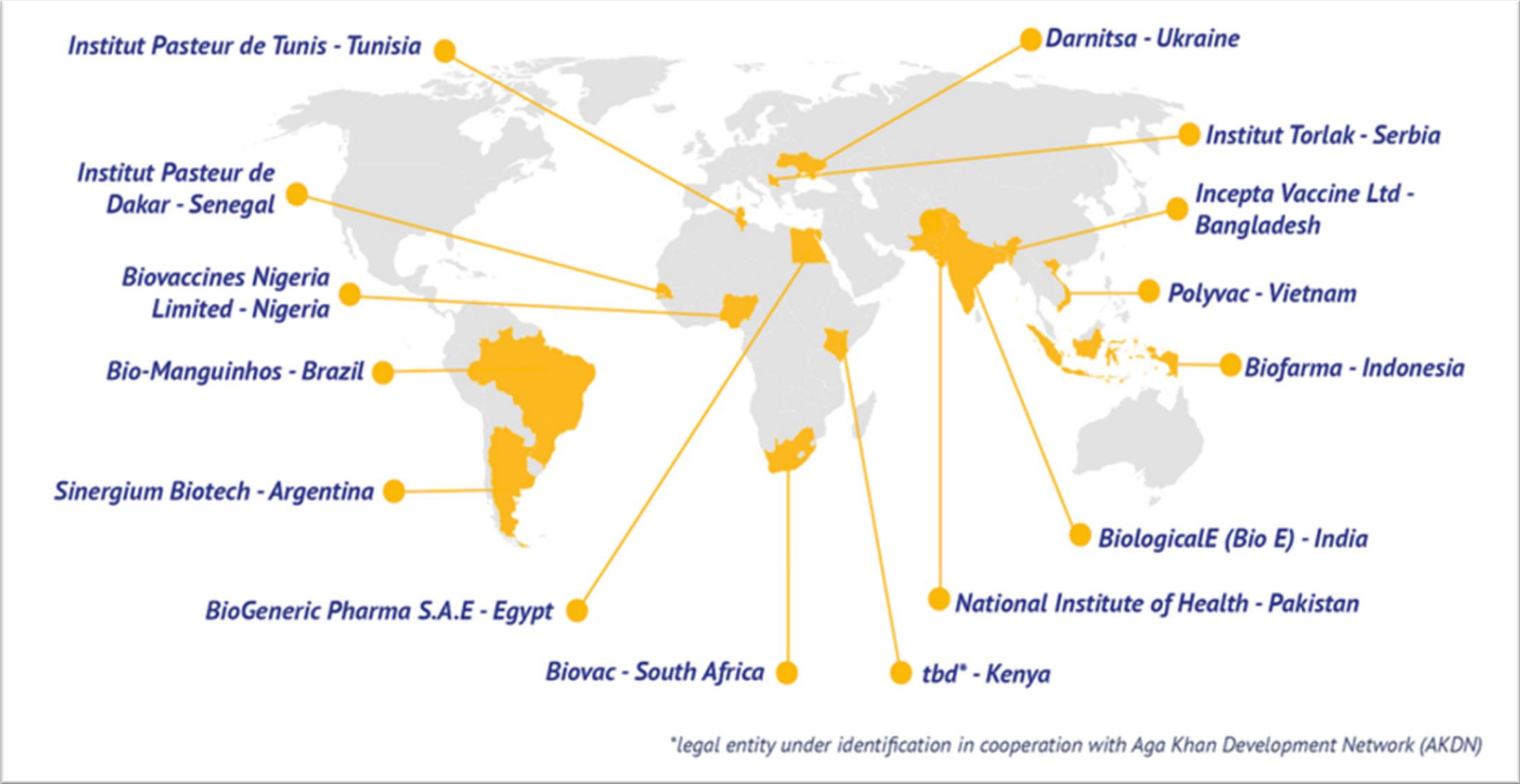
11:36 AM · Feb 7, 2023 · 35K Views

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Recipients of mRNA technology from the WHO mRNA technology transfer hub





mRNA Technology Transfer Hub Funders

A Case for Conflicts of Interest

supports the mRNA
Technology Transfer Hub
Programme for the
production of mRNA
vaccines

Steering Committee members (July 2022) - comprising of experts in mRNA vaccine development



Marie-Paule Kieny

Chairs Board of Medicines Patent Pool Foundation	Assistant Director-General for Health Systems and Innovation at the WHO 2017
Chair Board, Drugs for Neglected Diseases Initiative (DNDi)	Vaccine Research Director WHO (2002 – 2010)
Wellcome Trust, Chair of the Strategic Advisory Board on Vaccines and Drug-resistant Infections	Non-Executive Independent Director of BioMérieux
Board of Directors for the Human Vaccines Project	Chair French Scientific Committee on COVID-19 vaccine
Member of European Vaccine Initiative till 2010	Advisor GISAID (Global Initiative on Sharing Avian Influenza Data) for the COVID-19 pandemic
Global Antibiotic Research and Development Partnership (GARDP), Member of the Board of Directors	



Mark Feinberg

President and CEO of IAVI	Establishment The MSD-Wellcome Trust Hilleman Laboratories
Medical Officer, Office of AIDS Research at NIH	Fellow in the Advanced Leadership Initiative at Harvard University
Chief Public Health and Science Officer, Merck Vaccines	Member, Council on Foreign Relations
Member of the CEPI Joint Coordinating Group	Chair of Interim Scientific Advisory Committee, Collaboration for Epidemic Preparedness Innovations (CEPI)
Acting Head, Clinical Development, for the Coalition of Epidemic Preparedness Innovations (CEPI)	
Global Clinical Research and Development teams at both Sanofi Pasteur and GlaxoSmithKline Biologicals	



Marion Gruber

Vice President International AIDS Vaccine Initiative (IAVI)
Director, U.S. Food and Drug Administration (FDA) Office of Vaccine Research and Review (1992 to 2021)
FDA, Overseeing licensure and approval for COVID-19 vaccines
Expert Advisor to WHO
Member, WHO Global Advisory Committee on Vaccine Safety

Nadia Torniepoorth

Professor of Clinical Research and Pharmacovigilance



Michel de Wilde

Independent vaccine R&D vaccine expert
Senior Vice President, R&D, Sanofi Pasteur (2001 – 2013)
Research Scientist, recombinant Hepatitis B vaccine, and GSK's Malaria vaccine candidate



Mmboneni Muofhe

Deputy Director-General, Department of Science and Innovation (DSI), South Africa
Led the development of drugs and vaccine



Nicaise Ndembu

Senior Science Advisor, Africa CDC



mRNA Technology Transfer Hub Funders

A Case for Conflicts of Interest

supports the mRNA Technology Transfer Hub Programme for the production of mRNA vaccines

The mRNA Scientific Advisory Committee (mSAC) - comprising of experts in mRNA vaccine development



Martin Friede

mSAC Chair
 Coordinator, Initiative for Vaccine Research at the WHO
 Vice President of Vaccine Development for Apovia Inc
 Lead vaccine delivery research at Smithkline Beecham Biologicals



Duccio Medini

R3 Program Director at Wellcome Leap (Wellcome Trust and CEPI)
 Senior Director, GSK – Vaccine R&D
 Director, Novartis Vaccines, Vaccines R&D



Suhaib Siddiqui

Former Director, Chemistry, Moderna Therapeutics Inc
 Founder of Antirna Inc
 Vice President Technology ZS Genetics, Inc.
 Director of Chemistry Helicos BioSciences
 Research Fellow National Institutes of Health



Barney Graham

Former Deputy Director of the NIAID Vaccine Research Center
 Chief of the Viral Pathogenesis Laboratory, NIH
 Viral Pathogenesis Laboratory, NIH partner with Moderna to develop Covid-19 vaccine



Danilo Casimiro

Chief Science Officer & Global Head, External Scientific Affairs, Sanofi Vaccines	Chief Scientific Officer, Aeras (2017) funded by the Bill and Melinda Gates Foundation
Lead Vaccine R&D, Merck Research Laboratories	Scientific Advisor Bill & Melinda Gates Foundation Global Health Program
Scientific Advisor USAID Malaria Vaccine Development Program	Scientific Advisor International AIDS Vaccine Initiative
Scientific Advisor HIV Vaccine Enterprise	Scientific Advisor NIH AIDS Vaccine Development Program



Kiat Ruxrungtham

Scientific Chair of the Chula Vaccine Research Center (ChulaVRC)
 Director of the Covid19 Vaccine Development Program, ChulaVRC
 Lead Chula-Covid19 mRNA vaccine development program

WHO, Gates Foundation and South Africa join forces on Covid Vaccines



The programme focus; mRNA vaccines against COVID-19. Further development of other mRNA vaccines and therapeutics against important diseases that threaten LMICs.



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New consortium working to boost vaccine production in South Africa

MPP, WHO, AFRIGEN, BIOVAC, SAMRC, and Africa CDC sign a letter of intent towards establishing the tech transfer hub in South Africa

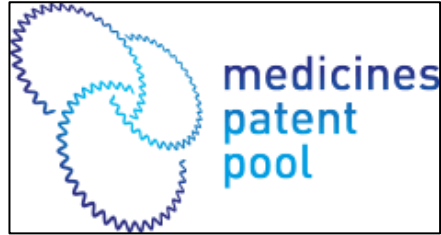
30 July 2021 | Joint News Release | Geneva | Reading time: 3 min (902 words)

The Medicines Patent Pool (MPP) and the World Health Organization (WHO), Afrigen Biologics (PTY) Limited, the Biologicals and Vaccines Institute of Southern Africa (Biovac), the South African Medical Research Council (SAMRC) and Africa Centres for Disease Control and Prevention (Africa CDC) have signed a letter of intent to address the global imbalance of manufacturing capacity for COVID-19 vaccines.

WHO, Gates Foundation and South Africa join forces on Covid Vaccines

**LETTER OF INTENT
BETWEEN THE WORLD HEALTH ORGANIZATION, THE MEDICINES PATENT
POOL FOUNDATION, AFRIGEN BIOLOGICS (PTY) LIMITED, THE BIOLOGICALS
AND VACCINES INSTITUTE OF SOUTH AFRICA, THE SOUTH AFRICAN
MEDICAL RESEARCH COUNCIL,
AND THE AFRICAN CENTRES FOR DISEASE CONTROL AND PREVENTION**

This Letter of Intent ("LOI") is made as of 29 July 2021 by and between the World Health Organization ("WHO"), a specialized agency of the United Nations responsible for international public health, whose headquarters is located at Avenue Appia 20, 1211, Geneva, Switzerland, Medicines Patent Pool Foundation ("MPP"), a non-profit foundation organised under the laws of Switzerland, whose business headquarters is located at Rue de Varembe 7, Geneva 1202, Switzerland, Afrigen Biologics (PTY) Limited ("Afrigen"), a with registration number 2014/135714/07, a company registered in South Africa with registered office at Unit 5&6 Kestrel Park, Longclaw Drive, Montague Gardens, 7441, Cape Town, South Africa, legally represented by Prof Aletta Petronella Susarah Terblanche the signatory hereto, The Biologicals and Vaccines Institute of Southern Africa ("Biovac"), a company duly registered under the laws of the Republic of South Africa with Registration number: 1998/011727/07 whose registered address being, 15 Alexandra Road, Pinelands, 7405, Cape Town, South Africa, the South African Medical Research Council ("SAMRC") a National Public Entity in terms of Schedule 3 of the Public Finance Management Act 1 of 1999 and statutory science council established in terms of Section 2 of the Medical Research Council Act 58 of 1991 with its principal place of business situated at: Francie Van Zyl Drive, Parow Cape Town represented herein by Professor Glenda Gray in her capacity as President, and the Africa Centres for Disease Control and Prevention ("Africa CDC"), together the "Parties," individually, a "Party":



“...to build capacity in low- and middle-income countries to produce mRNA vaccines through a centre of excellence and training (the mRNA vaccine technology hub). The hub is located at **AFRIGEN**, Cape Town, South Africa.”

The mRNA vaccine technology transfer hub



<https://www.who.int/initiatives/the-mrna-vaccine-technology-transfer-hub>



mRNA Technology Transfer Hub Partners: A Case for Conflicts of Interest



Republic of South Africa

South African Government

www.gov.za



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World Health Organization Director-General, Dr Tedros Adhanom Ghebreyesus visits mRNA vaccine tech transfer hub in South Africa, 11-12 Feb

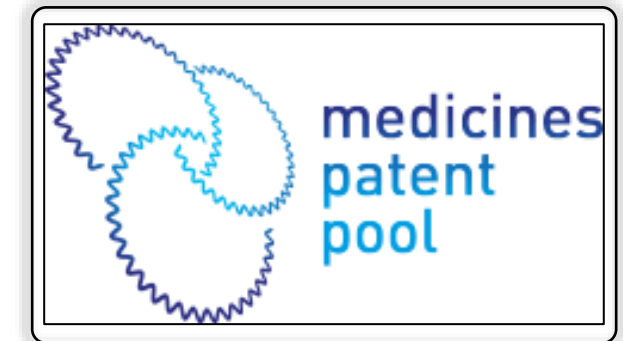
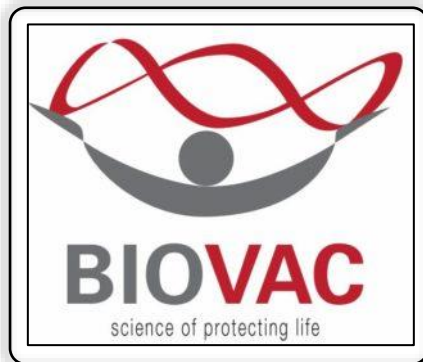
9 Feb 2022

WHO Director-General visits mRNA vaccine tech transfer hub in SA

The World Health Organization's (WHO) Director-General, Dr Tedros Adhanom Ghebreyesus, will join Belgium's Minister of Development Cooperation, Ms Meryame Kitir, on a high-level visit to Cape Town, on 11-12 February, to visit the mRNA vaccine technology transfer hub and other facilities playing critical roles in the response to COVID-19 and protection of public health.

<https://www.gov.za/speeches/world-health-organization%E2%80%99s-director-general-dr-tedros-adhanom-ghebreyesus-visits-mrna>

mRNA Technology Transfer Hub Partners: A Case for Conflicts of Interest



WHO, Gates Foundation and South Africa join forces on Covid Vaccines

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Partnerships

RESEARCH AND PRODUCT DEVELOPMENT	MANUFACTURING	CUSTOMERS	INDUSTRY NETWORKS	CAPACITY BUILDING
South African Council for Scientific and Industrial Research (CSIR)		The South African Department of Health	Developing Countries Vaccine Manufacturers' Network (DCVMN)	Industrial Development Corporation (IDC)
University of Cape Town	Sanofi Pasteur S.A	South African private sector health-service providers	African Vaccine Manufacturing Initiative (AVMI)	World Health Organization (WHO)
			Pharmaceuticals Made in South Africa (Pharmisa)	
Bionet-Asia Co. Ltd	Pfizer Laboratories	Neighbouring SADC Countries		United Nations Industrial Development Organization (UNIDO)
Program for Applied Technologies in Health (PATH)				



The South African Ministerial Advisory Committee on COVID-19, WHO and Gates Foundation Conflicts of Interest

Researcher	Institution	Role in MAC	Role in WHO	Principal Funder
Prof Salim Abdool Karim	The Centre for AIDS Programme of Research in South Africa (CAPRISA)	OVER-ARCHING CHAIR	WHO Science Panel WHO TB-HIV task force	Bill and Melinda Gates Foundation (BMGF)
Prof Quraisha Abdool Karim	CAPRISA	Public Health	Deputy-Chair, WHO Alliance for Sexual and Reproductive Health	BMGF
Prof Helen Rees	Chairperson, South African Health Products Regulatory Authority	Clinicians	WHO IHR Emergency Committee for COVID-19	BMGF
Prof Wolfgang Preiser	National Health Laboratory Service	Pathologists and Laboratory	Member of a WHO SARS mission to China	BMGF
Prof Lucille Blumberg	National Institute Communicable Diseases (NICD)	Clinicians	Committee for Review of the International Health Regulations during COVID-19	BMGF
Prof Shabir Madhi	Wits Health Consortium	CHAIR, Public Health	WHO, Strategic Advisory Group of Experts on Immunization, Vaccines and Biologicals (SAGE)	BMGF, Scientific Advisor
Prof Glenda Gray	South African Medical Research Council (SAMRC) President	CHAIR, Research	National Institute for Health, Wellcome Trust	BMGF
Prof Marc Mendelson	University of Cape Town	CHAIR, Clinicians	WHO Expert Panel on Drug Evaluation	BMGF
Prof Francois Venter	University of KwaZulu-Natal	Clinicians	WHO Advisor	BMGF
Prof Shabir Banoo	Right to Care	Clinicians	WHO Technical Consultant	BMGF

Prof Salim Abdool Karim: A 'Global Élite' Puppet

THE ROYAL SOCIETY

Fellow of the Royal Society (FRS)

THE GLOBAL FUND

Advisor of Global Health

CAPRISA
CENTRE FOR THE AIDS PROGRAMME OF RESEARCH IN SOUTH AFRICA

Director and Co-Founder

Over-Arching Chair

South African Ministerial Advisory Committee on COVID-19



Republic of South Africa

NATIONAL INSTITUTE FOR COMMUNICABLE DISEASES
Division of the National Health Laboratory Service

Member Scientific Advisory Committee

THE AURUM INSTITUTE

Member Steering Committee

African Union **AFRICA CDC**
Centres for Disease Control and Prevention
Safeguarding Africa's Health

Africa Task Force For Coronavirus

Member Steering Committee

SACEMA
SACEMA Centre of Excellence in Epidemiological Modelling and Analysis

Trustee



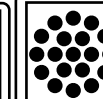
NATIONAL ACADEMY OF SCIENCES

Member



WORLD ACADEMY OF SCIENCES

Fellow



International Science Council
Vice-President



Centers for Disease Control and Prevention
Masters Student, 1988

THE ROCKEFELLER FOUNDATION

Scholarship 1987

LONDON SCHOOL OF HYGIENE & TROPICAL MEDICINE

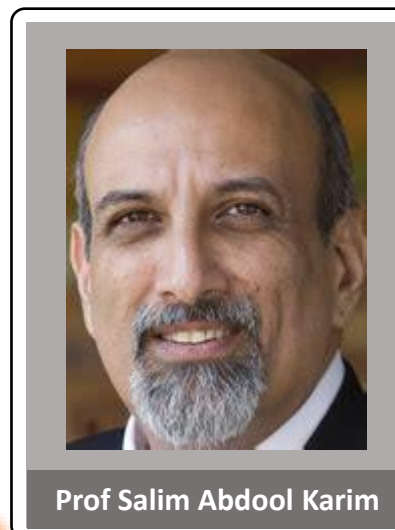
Masters Scholarship, 1987

UNIVERSITY OF KWAZULU-NATAL
INYUVESI YAKWAZULU-NATALI

Pro-Vice-Chancellor

samrc
advancing life

Former President and CEO



Prof Salim Abdool Karim

The NEW ENGLAND JOURNAL of MEDICINE

Editorial Board

THE LANCET COVID-19 COMMISSION

Commissioner

NIH Co-Chair AIDS Research

THE LANCET Global Health

THE LANCET HIV
Editorial Board

mBio
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Editorial Board

PEPFAR
U.S. President's Emergency Plan for AIDS Relief

Advisor

MERCK

Consultant

NATIONAL ACADEMY of MEDICINE

Member

POPULATION COUNCIL

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Board Member

BILL & MELINDA GATES foundation

Scientific Advisor

UNAIDS

Chair: Scientific Expert Panel

World Health Organization

- WHO Science Council
- Scientific Advisor to WHO Director-General
- HIV and Hepatitis Scientific and Technical Advisory Group
- WHO HIV-TB Task Force
- Chair of the Scientific and Technical Advisory Group for Reproductive Health

hhmi
Howard Hughes Medical Institute

Interim Director

UNDP THE WORLD BANK

Chair: Program Human Reproduction

HARVARD UNIVERSITY



Adjunct Professor



Adjunct Professor

Chair: Grant Review Committee



DoD Medical Research and Development Program

COLUMBIA
MAILMAN SCHOOL OF PUBLIC HEALTH

Professor

MIT
Massachusetts Institute of Technology

Associate

iavi
International AIDS Vaccine Initiative

Scientific Advisory Committee

MRC HIV-TB Pathogenesis and Treatment Unit

Director

19 09 LIVE

Karim gets his reward?

WORLD HEALTH ORGANIZATION

PROF. SALIM ABDOOL KARIM

WHO
SCIENCE PANEL

eNCA
NO FEAR. NO FAVOUR.

WATCHING eNCA ON DSTV CHANNEL 403 | PLEASE SEND PICS AND VIDEOS TO pictures@enca.com OR [upload.e](#)



Prof Helen Rees

Chairperson

Prof Helen Rees: WHO and 'Global Elite' Vaccine Hack

Strategic and Technical Advisory Group on Infectious Hazards with Pandemic and Epidemic Potential (STAG-IH)

Member

SAGE focal point for HPV, Rubella, and HIV vaccines, and vaccine use in humanitarian emergencies Committee

Member

African Regional Immunisation Technical Advisory Group on Immunization (RITAG)

Chair

Wits RHI – WHO/UNAIDS Collaborating Centre in Reproductive Health and HIV

Lead Advisor

WHO/UNAIDS Steering Committee on Pre-exposure prophylaxis

Advisor

WHO Scientific and Technical Advisory Group on Infectious Hazards

Advisor

Technical Advisory Committee on RSV Vaccines

Advisor

WHO Africa Regional Reproductive Health Task Force

Member

SAGE Committee on the Global Vaccine Action Plan

Member/Advisor

SAGE Committee evaluating progress towards the Decade of Vaccines

Member

SAGE Working Group on Measles and Rubella

Member

WHO IHR Emergency Committee for COVID-19

Member



Prof Helen Rees, OBE

WHO Global Strategic Advisory Group of Experts on Immunisation (SAGE)

Chair

PATH Maternal Influenza Immunisation Committee

Chair Advisory Review Committee

International Health Regulation Emergency Committee on COVID-19

Chair

International Health Regulations Review Committee

Rapporteur

Review Committee on the Role of the IHR (2005) in the Ebola Outbreak and Response

Member (2015 to 2016)

SAGE Working Group on Ebola Vaccines

Chair

SAGE Committee on Ebola vaccines

Co-Chair

High Level Meeting on Ebola vaccines

Chair

IHR Emergency Committee on Yellow Fever

Member

IHR Emergency Committee on Polio

Chair (since 2014)

Polio Research Group

Member

TFI Working group on Ebola

Chair

WHO RSV Vaccine Consultation Expert Group

Advisor

WHO Regional Vaccine

Advisory Chairperson

STI vaccine development and strategy Committee

Advisor



University of the Witwatersrand
WITS RHI

Wits Reproductive Health and HIV Institute and Prof Helen Rees

Conflicts of Interest



Founder & Director
of Wits RHI

Donors & Partners



Prof Shabir A. Mahdi: A 'Global Élite' Puppet – Positions Held




Member Scientific Advisory Committee




World Health Organization
Chair: Consultation on GBS Vaccine Development




World Health Organization
Chair: Eighth WHO meeting on development of influenza vaccines



World Health Organization
Strategic Advisory group Group B streptococcus value proposition




World Health Organization
Strategic Advisory Group of Experts (Vaccines)



World Health Organization
Working group: Influenza vaccination of health workers



World Health Organization
Product and Development Vaccine Advisory Committee



World Health Organization
RSV Vaccine Consultation Expert Group



International Vaccine Institute
Scientific Advisory Committee (2016 to date)



Over-Arching Chair South African Ministerial Advisory Committee on COVID-19
Republic of South Africa




Scientific Advisory Committee



South African ChAdOx1Cov-19 Vaccine Trial
Principal Investigator



Member


Partners



2013 to 2020
Director: MRC Vaccines and Infectious Diseases Analytics Research Unit
Director: MRC Respiratory and Meningeal Pathogens Research Unit



2008 to date
science & innovation
Department: Science and Innovation
REPUBLIC OF SOUTH AFRICA
DST/NRF South African Research Vaccine Preventable Diseases Unit
Chair




COVID Vaccine Trial Group



Founder & Executive Director



Chair National Advisory Group for Immunization South Africa



Chairman and Non-Executive Director
Principal investigator



Director Vaccines and Infectious Diseases Analytical Research Unit
2020 to present
Professor of Vaccinology




Wits African Leadership in Vaccinology Expertise
Co-director (2017 to present)


Partners



NATIONAL INSTITUTE FOR COMMUNICABLE DISEASES
Division of the National Health Laboratory Service
Executive Director (2011 to 2017)



Acting Chief Executive Officer



Phase 2 NVX-CoV2373 Vaccine Trial
Principal Investigator



Member (2016 to present)



Global Pneumonia Prevention Coalition
Scientific Advisory Group

Prof Shabir A. Mahdi: Principal Vaccinologist - Funding

SCHMIDT FUTURES
Funder

NOVAVAX
Creating Tomorrow's Vaccines Today
Trial Grant \$15 million

Johnson & Johnson
Publication Funding

World Health Organization
Funder

wellcome
Funder

wellcome sanger institute
Funder

JOHNS HOPKINS BLOOMBERG SCHOOL of PUBLIC HEALTH
Grant Funding

SANOFI PASTEUR
Empowering Life
Grant ZAR 3,856,600
Consultant/Speaker Fees
Publication Funding

Pfizer
Scientific Advisor
Honoraria payment
Publication Funding

Prof Shabir A. Mahdi
Prof of Vaccinology,
Univ. of Witwatersrand

Committed Grants
BILL & MELINDA GATES foundation
Honoraria for Advisory Board Participation
\$750million

Gavi
The Vaccine Alliance
\$1.4m \$1.3m \$250,000
Grant Funding

EDCTP
European and Developing Countries
Clinical Trials Partnership

gsk GlaxoSmithKline
Grant ZAR 3,856,600
Consultant/Speaker Fees
Publication Funding

AstraZeneca
Trial Grant \$2,118,618.51

PATH
\$300 000 | \$59 493
Grant Funding

CDC
CENTERS FOR DISEASE CONTROL AND PREVENTION
Grant Funding

NIH
\$3 million

Providence National Foundation
Future Fund
R8 million

MERCK
Grant Funding
Consultancy Fees

NOVARTIS
ZAR 2.5m | USD 5.8m
Scientific Advisor
Consultant/Speaker Fees
Honoraria payment
Publication Funding

MedImmune
Scientific Advisor
Honoraria payment
Publication Funding

CEPI
Grant Funding

AFRICA CDC
Centres for Disease Control and Prevention
Safeguarding Africa's Health
FUNDER

sAMRC
advancing life
Grant Funding

gritstone bio
Grant Funding

MINERVAX
Grant Funding

NIHR
National Institute for Health Research
Grant Funding

SAHPRA
South African Health Products Regulatory Authority
Grant Funding

ASLM
AFRICAN SOCIETY FOR LABORATORY MEDICINE
FUNDER

EMORY UNIVERSITY
\$2 million

UKRI
UK Research and Innovation
Grant Funding

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Strategic Advisory Group of Experts on Immunization, Vaccines and Biologicals (SAGE)



Bernard Fritzell, M.D., M.P.H. former Vice-President, International Scientific and Clinical Affairs, Pfizer Vaccines Research



Barney S. Graham, M.D., PhD Senior Investigator at the Vaccine Research Center, NIAID, NIH



Ruth Karron, M.D. CDC Advisory Committee on Immunization Practices. FDA Vaccine and Related Biological Products Advisory Committee



David C. Kaslow, M.D. Vice President, Essential Medicines, and Head, PATH's Center for Vaccine Innovation and Access Vice President and Head of Vaccines Project Leadership and Management at Merck Research Laboratories National Institute of Allergy and Infectious Diseases (NIAID)



Jerome H. Kim, M.D., Director General of the International Vaccine Institute (IVI) funded by Bill and Melinda Gates Foundation.



Prof. Shabir Madhi, Prof Vaccinology, Wits Univ. Head of SA AstraZeneca ChAdOx1 Trial, Chair of the National Advisory Group for Immunization in South Africa and on the Scientific Advisory Committee of the Bill and Melinda Gates Foundation Global Health Program.



Deputy Director

National Institute for Communicable Diseases



**World Health
Organization**

Prof Lucille Blumberg

**Vice-Chair, WHO Committee for Review of the
International Health Regulations during COVID-19**

**National Influenza Centre
(NIC); and a WHO RSV and
SARS-CoV-2 Reference
Laboratory**



**World Health
Organization**

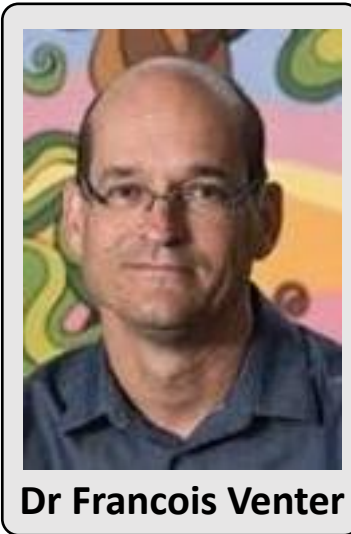
 NATIONAL INSTITUTE FOR
COMMUNICABLE DISEASES
Division of the National Health Laboratory Service

**Regional reference laboratory for the World
Health Organization (WHO) Vaccine-
preventable Invasive Bacterial Diseases (VP-
IBD) Coordinated Global Surveillance Network
for the Southern African region**

together • COVID-19 trial : Dr Francois Venter

clinical trials

Principal Investigator



Dr Francois Venter

Funding Agencies

Unitaid

Viiiv Healthcare

COHIVE: Coronavirus Outcomes in HIV Evaluation

ADVANCE Trial
US\$ 22,851,279

COVER HCW
COVID-19 PROTECTION TO ENSURE RESILIENT HEALTH CARE WORKERS

Wits Reproductive Health and HIV Institute

University of the Witwatersrand
WITS RHI

Ezintsha
INDICATIVE PRIVATE AGENCY

Director

ACTaccelerator
ACCESS TO COVID-19 TOOLS

World Health Organization

UNAIDS
Joint United Nations Programme on HIV/AIDS
UNICEF • UNDP • UNFPA • UNDCP
UNESCO • WHO • WORLD BANK

Advisor

World Health Organization

Advisor

Funder

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TCI Fund Management

Google

Microsoft

WORLD ECONOMIC FORUM

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CENTERS FOR DISEASE CONTROL AND PREVENTION
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PEPFAR
Funder

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NIH National Heart, Lung, and Blood Institute
Funder

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Funder

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SOUTHERN AFRICAN HIV CLINICIANS SOCIETY

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MSD Be well

fhi360

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MTN

THE ALUMINUM INSTITUTION

Right to care

GILEAD

Growing up in a digital world 2030
GOVERNING HEALTH FUTURES
THE LANCET & FINANCIAL TIMES COMMISSION

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SANOFI Empowering Life

Johnson & Johnson

aspEN PHARMACARE

Mylan **MERCK**

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Abbott

virology education

Personal Fees/Support

USAID UNITED STATES AGENCY FOR INTERNATIONAL DEVELOPMENT

NIH National Institutes of Health

BILL & MELINDA GATES foundation

sAMRC advancing life

Sida SWEDISH INTERNATIONAL DEVELOPMENT COOPERATION AGENCY

NIH Fogarty

Carnegie CORPORATION OF NEW YORK

aidsfonds

Viiiv Healthcare

Research Funding

New Partnership for Africa's Development Planning and Coordinating Agency

W wellcome

NEPAD TRANSFORMING AFRICA

Funder

HM Government

VIATRIS Mylan + Upjohn

Johnson & Johnson

GILEAD

abbvie **Janssen** Johnson & Johnson

Sponsors

virology education

INTEREST 2015 Conference

Presenter

The Global Fund To Fight AIDS, Tuberculosis and Malaria

PEPFAR U.S. President's Emergency Plan for AIDS Relief

ANOVA HEALTH INSTITUTE

MSD INVENTING FOR LIFE

SFH Partners for a healthier nation

psi

HIV SELF-TESTING AFRICA INITIATIVE

CLINTON HEALTH ACCESS INITIATIVE

PATH

The STAR Initiative consortium

Advisor/Funder

World Health Organization

LONDON SCHOOL OF HYGIENE & TROPICAL MEDICINE

IIO

LSTM LIVERPOOL SCHOOL OF TROPICAL MEDICINE

Prof Marc Mendelson: "Global Elite Puppet"

REVIVE
Advancing
Antimicrobial R&D

UKRI Medical
Research
Council
Global Challenges Research Fund
Funder

**BILL & MELINDA
GATES foundation**
Funder

W
wellcome
Funder

Partners **BRITISH COUNCIL** **UKRI** Medical
Research
Council
Newton Fund **THE ROYAL SOCIETY**
The British Academy
Funder

Partners **BILL & MELINDA GATES foundation** **SANDOZ** a Novartis company **Takeda** **Pfizer-Sankyo**
W wellcome **GARDP** **WITS RHI**
NIAID **Global Antibiotic Research & Development Partnership** **UNIVERSITY OF KWAZULU-NATAL**
World Health Organization **Scientific Advisory Board Member** **UNIVERSITEIT STELLENBOSCH UNIVERSITY**
2016 - 2022 **saMRC**
FIND **UKaid** **NATIONAL INSTITUTE FOR COMMUNICABLE DISEASES** **WITS HEALTH CONSORTIUM**



Prof Marc Mendelson
Head of the Division of Infectious Diseases
& HIV Medicine at Groote Schuur Hospital

W wellcome **BILL & MELINDA GATES foundation** **CLINTON HEALTH ACCESS INITIATIVE**
Bill Gates, Co-Chair and Trustee
access to medicine FOUNDATION **Gavi**
Antimicrobial Resistance Benchmark **World Health Organization**
Member of the Expert Committee 2020 **unicef**

THE FRANCIS CRICK INSTITUTE
Funder

W wellcome **MERCK** **BIOMÉRIEUX**
GILEAD **Creating Possible**
CIDRAP ASP
Centre for Infectious Disease Research and Policy Antimicrobial Stewardship Project
ASP Advisory Committee

World Health Organization
WHO Policy Guidance on Integrated Antimicrobial Stewardship
Participant (Dec 2020)

World Health Organization
Expert Panel on Drug Evaluation
Member (2017 to 2025)

World Health Organization
Antibiotic Working Group
Member (2017 to 2022)

World Health Organization
Multiple Technical Advisory Groups on Antimicrobial Resistance
Member (2012 – 2022)

WORLD ECONOMIC FORUM
Core Team on Tackling Antimicrobial Resistance