



THE AURUM
INSTITUTE

A PROSPECTUS
FOR VICTORY



THE AURUM
INSTITUTE

**“Aurum is a
formidable
organisation
with exceptional
people and
quality. It is
not possible to
overstate this.”**

Centre for Disease Control /
SEAD April 2009

“The Institute was a key player in the mining industry’s decision to go ahead with large scale provision of antiretroviral treatment to mine workers living with AIDS.....almost 2 years ahead of the public sector”

Ms Barbara Hogan
Minister of Health



The headquarters of the Aurum Institute in Parktown, Johannesburg, where doctors, professors, researchers, and trainers provide the vital core to those in the field

CONTENTS

2-3

WHO WE ARE

4-5

OUR PEOPLE

6-7

THE VAST SCALE OF THE PROBLEM

8-9

WHERE WE WORK

10-11

SUCCESSSES

12-13

OUR PARTNERS

14-16

CAN YOU POSSIBLY HELP?



A massive public gathering in Pella, 180 kms from Johannesburg, where Aurum staff in the three Aurum Emthonjeni mobile testing units consulted and tested many members of the public.

“Aurum is working together
to achieve a
healthier
world for future generations”

Razia Essack-Kauria
International Red Cross

WHO WE ARE

In the pursuit to eradicate the HIV/AIDS and Tuberculosis pandemics, the Aurum Institute is an internationally recognised, specialist research and implementation organisation.

An authority in our field, we were originally established in the mining sector. Our organisation has spent the last decade totally focussed on researching, monitoring, treating and managing these two epidemics, as well as occupational and other diseases, making a substantial and measurable difference to the lives of the people of Southern Africa, and ultimately, the region's economy.

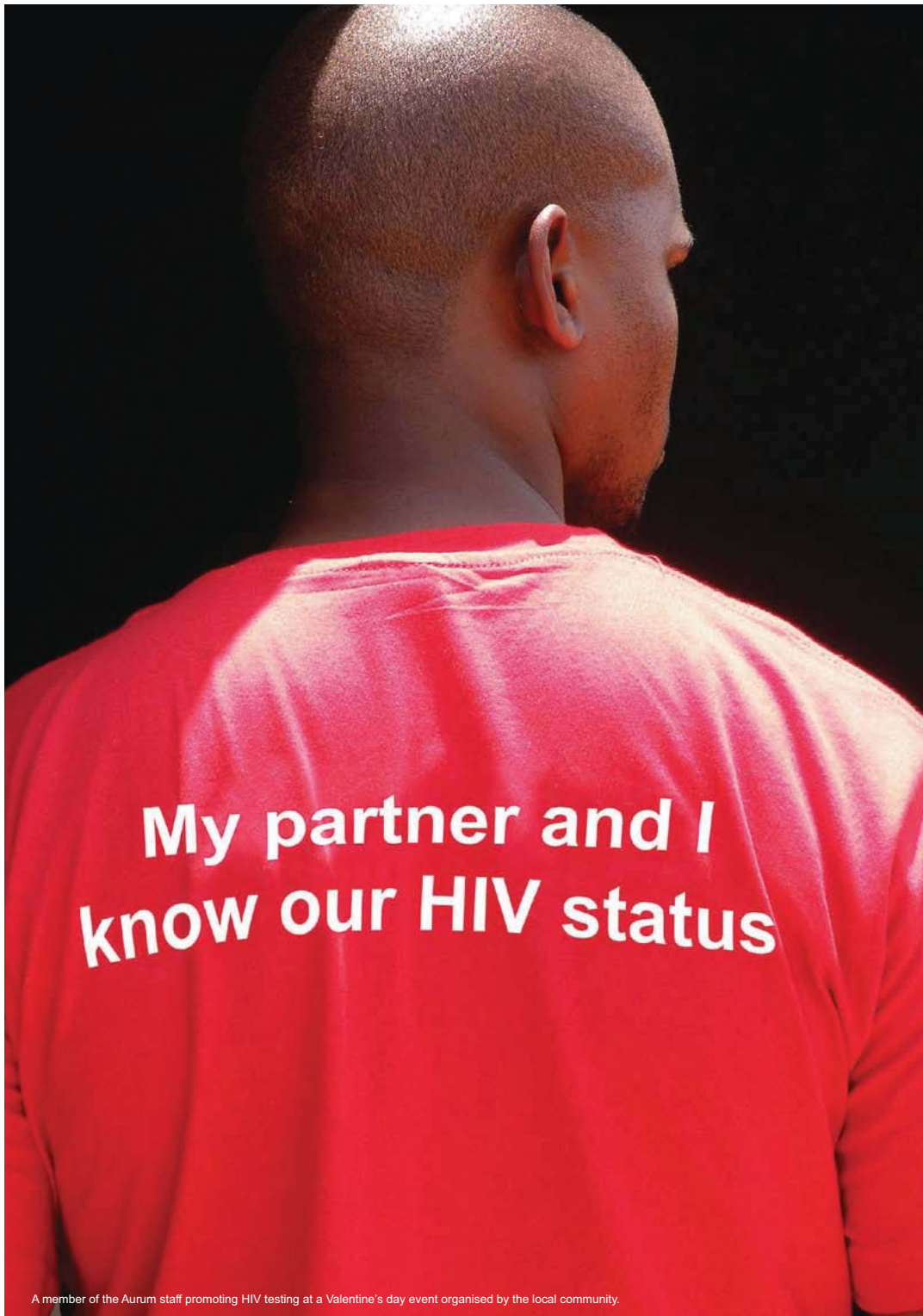
We are achieving this by formulating new and ethical ways of treating and preventing disease in the community. We conduct research programmes and clinical trials that not only influence public health policy but also aid the development of highly effective health provision systems that are urgently required to overcome the impact of HIV/AIDS and TB.

The Aurum Institute offers a unique conduit into the communities of South Africa.

This prospectus tells you something of who we are, where we are, and what we are achieving.

“The Aurum Institute is one of the very few South African entities that has the capacity to do large scale research without extensive public sector funding.”

Ms Barbara Hogan,
Minister of Health



**My partner and I
know our HIV status**

A member of the Aurum staff promoting HIV testing at a Valentine's day event organised by the local community.

**“It’s a place filled with people of
integrity, smart people
dedicated
to stamping out HIV/AIDS and TB”**

Prof Mary Latka
Columbia University, New York

OUR PEOPLE

We have grown from 2 people to over 400 in ten short years.

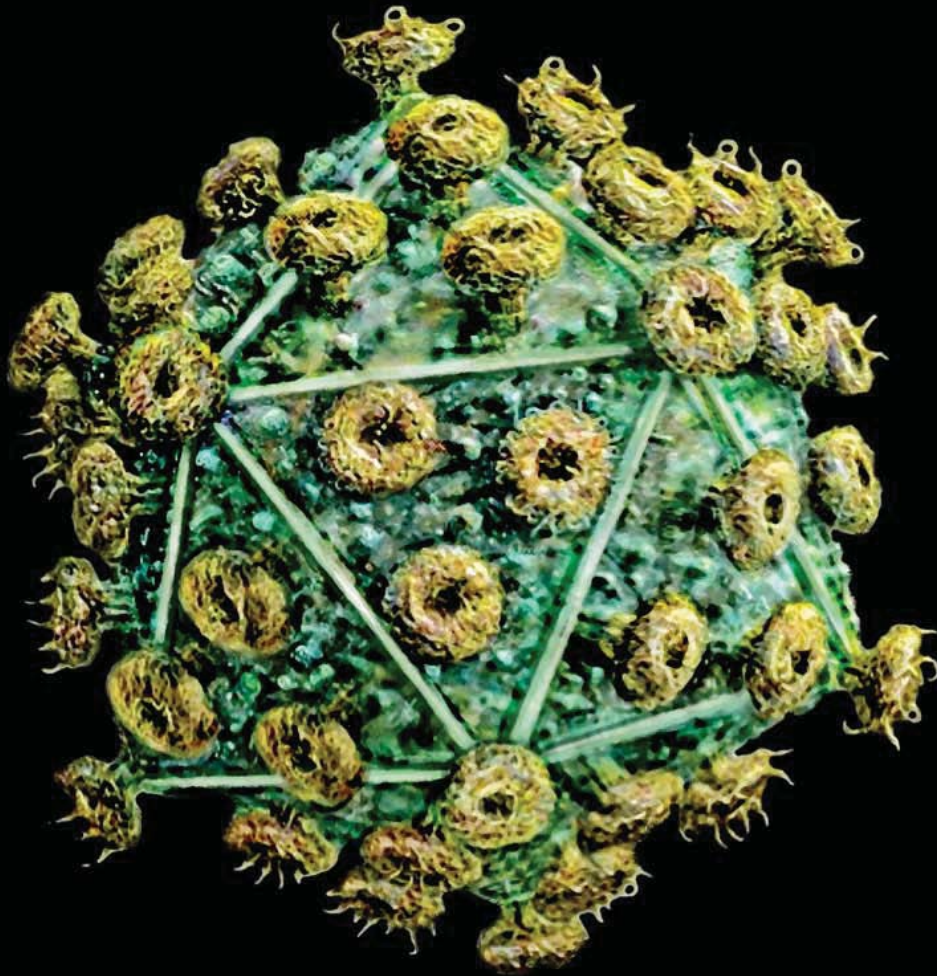
A multi-disciplinary team, from the specialist professors, doctors and nurses, to the accountants, administrators and IT professionals, all of whom muster the intellectual and creative drive necessary for our organisation's continuing success.

We employ a full training team who ensure that skills and professionalism pervade the Aurum Institute. Some of the other essential members of our team are the clinical staff and drivers of our mobile HIV/TB counselling, testing and treatment units who drive the highways and dirt roads that reach deep into the rural areas and towns throughout our country.

The vast majority of staff, at all levels, are South African complimented by doctors and researchers from other countries including the USA, UK, Namibia, Zimbabwe, Uganda, Canada and the Netherlands.

Our headquarters may well be in Parktown, Johannesburg, but it is in the AIDS and TB 'war zones' that we make the difference - In the communities. Amongst the people of Southern Africa.





The enemy within, the HIV virus can trigger TB in anyone

The lethal HIV virus - 12% to 15% of South Africans are infected with this killer.

“Put simply, the
battle
must and can be won”

Dr Paul Davis, Chairman
The Aurum Institute

THE VAST SCALE OF THE PROBLEM

The doubly lethal combination of the HIV/AIDS and TB epidemics has seen the decimation of communities and the destruction of families on a scale not seen since the 'black death'.

Life expectancy here has plummeted from 62 in 1990 to 48 in 2007. This is a frightening shift, where the old are burying the young in a shocking reversal of the natural order of things.

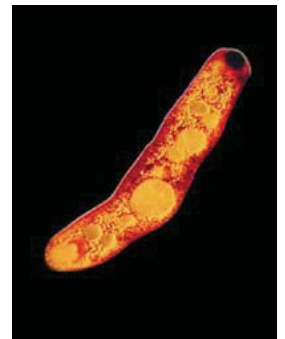
The developing economic, demographic and social consequences will reverberate through the ages, challenging the generations to come.

Medically the Tuberculosis bacillus presents a formidable foe. It has been a fellow traveller with humanity from an age before Homo Sapiens. Unfortunately it knows us well.

A more recent acquaintance of ours is the HIV virus. Simpler, but just as determined. HIV cripples our immune systems and sets the conditions that allow tuberculosis to run rampant in our bodies. Enabled by HIV, TB indeed 'eats us alive.'

The Aurum Institute has made huge progress and developed a number of unique insights into the understanding of these destructive diseases and how to combat them.

It will be a long and difficult fight. It has to be fought on two fronts. It has to be won.



The TB Bacillus, South Africa has the fourth highest rate of multi-drug resistant TB in the world.

“After years of involvement in the community, Aurum is readily accepted at grassroots”

Prof Mary Latka
Columbia University, New York

WHERE WE WORK

We still operate in the mining communities where we began and where the burden of HIV/AIDS and TB are at epidemic proportions. We offer free TB screening and administer TB preventive therapies for the mine workers and the surrounding communities. Our large prevention study (65,000 participants) takes place at fifteen shafts within the gold mining communities of Gauteng, North West and Free State.

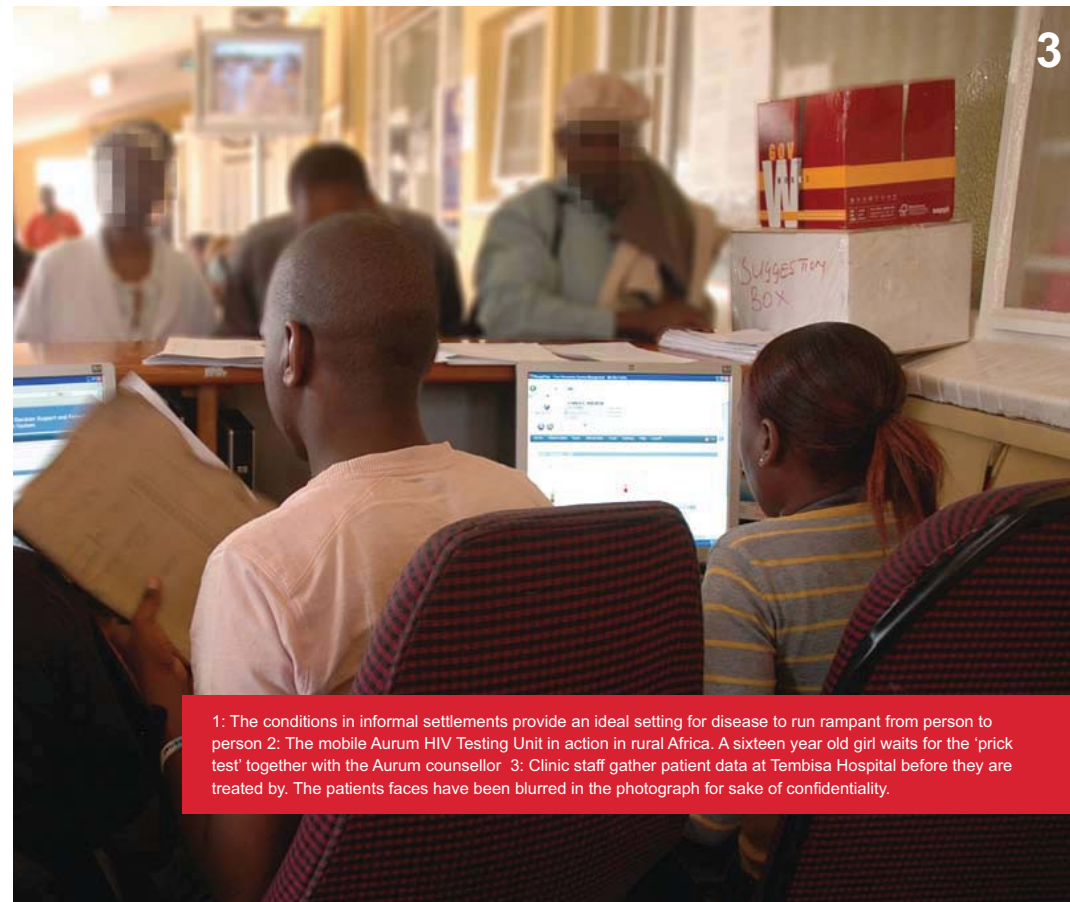
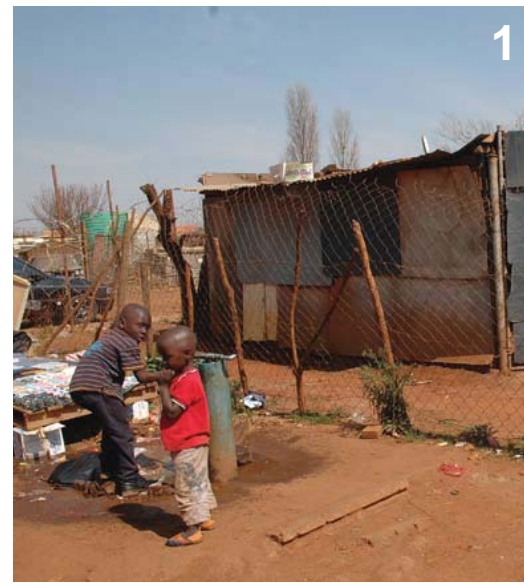
Our specially selected General Practitioner network of over fifty groups provides a private model for the detection, counselling and treatment of HIV/AIDS and TB. Their treatment results compare with, and in some cases exceed, the standards of some of the 'best practice' units in the country and elsewhere (at the same, or at a lower cost).

A developing success story that reaches commuters on a massive scale is the taxi rank project, initially in Bree Street, Johannesburg and now in several other key locations. It is supported by a grant from the international United States President's

Emergency Plan for Aids Relief (PEPFAR) and operates in partnership with the municipality. The clinic, in the middle of the rank, provides access to health and life development services, including HIV testing and counselling. It offers 'matter of fact', 'no stigma' access to over 5000 taxi drivers, 1000 traders and some 500 000 commuters a day. The brightly painted buildings are a beacon of hope and a place of education where attendance is growing every day. Another clinic has opened in a more rural 'people crossroad' at Burgersfort in Limpopo, and more will follow.

We also support the HIV/AIDS unit at Chris Hani Baragwanath Hospital and have a growing involvement and presence at the HIV/AIDS and TB Clinics of Tembisa Hospital and the surrounding community of Ekurhuleni North, which serve some 2 million people.

Correctional Services have also partnered with us to provide a TB and HIV/AIDS programme to the Johannesburg, Pretoria, Krugersdorp and Boksburg Departments of Correctional Service. We hope to extend this service to many other facilities and the 140,000 offenders who are at great risk from both diseases.



1: The conditions in informal settlements provide an ideal setting for disease to run rampant from person to person 2: The mobile Aurum HIV Testing Unit in action in rural Africa. A sixteen year old girl waits for the 'prick test' together with the Aurum counsellor 3: Clinic staff gather patient data at Tembisa Hospital before they are treated by. The patients faces have been blurred in the photograph for sake of confidentiality.

“Your research on the community-wide use of Isoniazid to prevent TB has that ground breaking feel.”

Ms Barbara Hogan
Minister of Health

SUCCESSES

Each research question, every clinical programme, every prospective project is measured for, and by, its outcome and impact.

Our work is subject to rigorous internal and independent external scrutiny.

Delivering what we say we will do, on time and within budget is beginning to rapidly distinguish us.

The facts speak for themselves.

In service terms so far:

- 75 000 people have tested for HIV.
- 63 000 have enrolled on HIV Wellness programs
- 40 000 are on Anti-retroviral treatment
- 32 000 have been screened for TB and
- 30 000 started on TB preventive therapy.

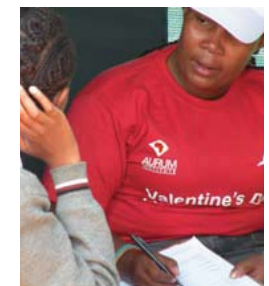
Our scientists have published more than 100 articles in authoritative medical journals including The Lancet and The New England Journal of Medicine.

We manage a project budget of R190 million per year.

Our success, so far, has come from the excellence of our researchers, the dedication of all our staff, the quality and standing of our partners and the unique research and treatment opportunities the Aurum Institute offers.

Using the treatment concepts from our Thibela TB study and combining them with our partners capacities and skills we are putting in place our “coalition against TB” campaign called “Khipha iTB” (destroy TB). It is a major offensive spanning some thirty years that will reduce the incidence of TB to zero, and with it, 80% of the deaths from the HIV/AIDS epidemic.

The campaign will also complement the National HIV/AIDS and TB strategies and Millenium 2015 goals.



A youth is counselled by a member of the Aurum Emthonjeni staff before she is tested for HIV in the mobile testing unit.

“The research is in our heads but
our hearts
 and feet are in the community”

Prof. Gavin Churchyard
 CEO, The Aurum Institute

OUR PARTNERS

Our partners support us in South Africa from far and wide. Funding from the Bill and Melinda Gates Foundation enables our Thibela TB programme through The Consortium to Respond Effectively to the AIDS and TB Epidemic (CREATE). They are joined by the U.S. people through the President’s Emergency Plan for AIDS Relief (PEPFAR) which supports our extensive HIV/AIDS care and treatment programme.

We have a strong relationship with The World Health Organisation and many drug companies support us through discounted or free medication for both HIV and TB prevention and research.

Our research partners include Columbia, Manitoba and Johns Hopkins Universities and The London School of Hygiene and Tropical Medicine. Funders come from an array of businesses and charities, including Anglo American, AngloGold Ashanti, Glaxo Smith Kline, Sanofi-Aventis, the European Union and Family Health International.

We also work closely with all nine Provincial Departments of Health and the Universities of Stellenbosch, the Witwatersrand, Cape Town, Johannesburg and KwaZulu Natal.

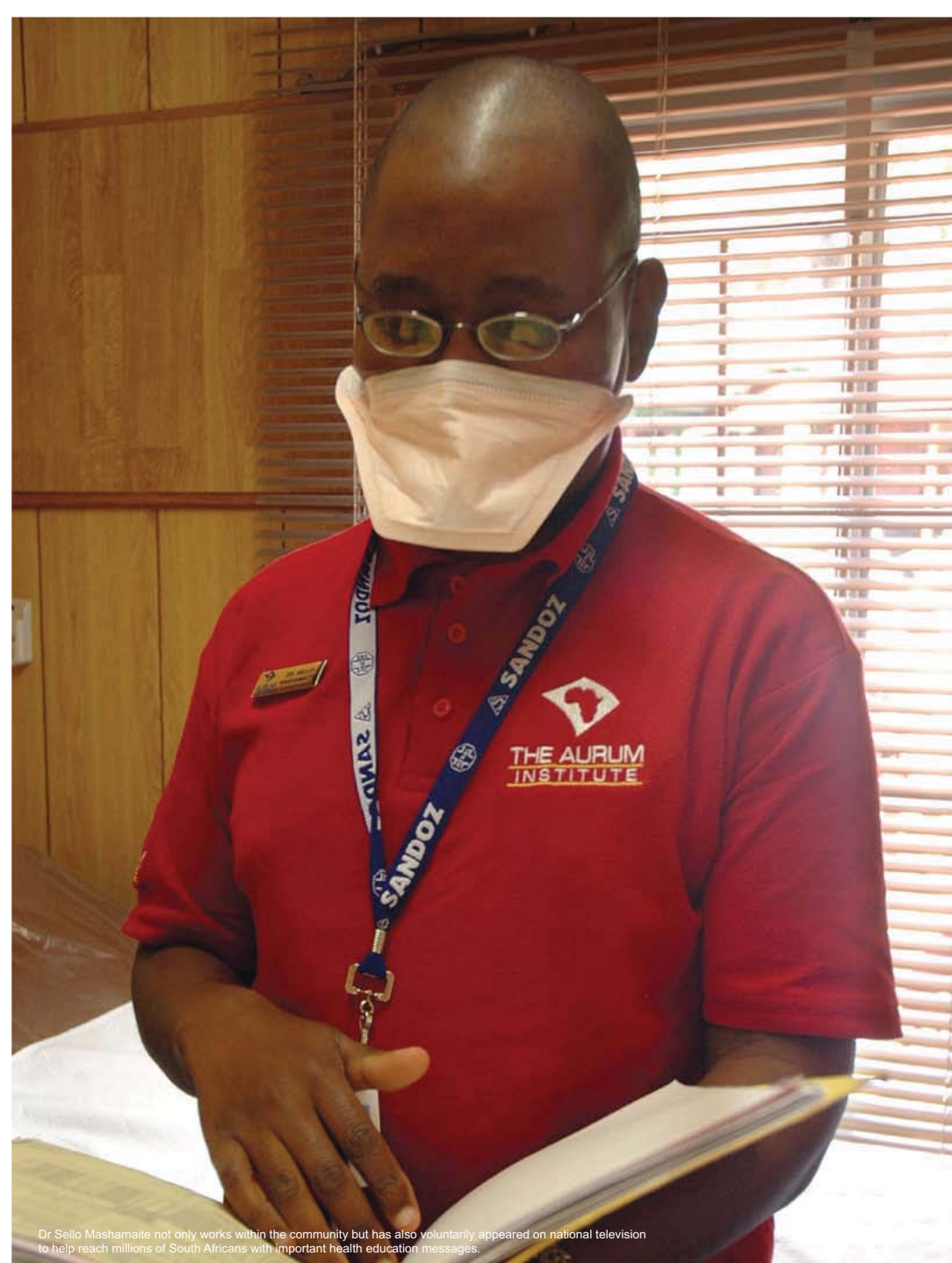
With this existing support we are well poised to be a formidable force in the South African environment and within Africa.

Aurum has partners on all continents around the world



“The Aurum Institute maintains a balance between research and health programme management giving it a very firm grasp of the realities of service delivery”.

Ms Barbara Hogan
 Minister of Health



Dr Sello Mashamaite not only works within the community but has also voluntarily appeared on national television to help reach millions of South Africans with important health education messages.



Standing in the doorway, third from left, is the Aurum Chairman Dr Paul Davis, discussing progress in the HIV/AIDS programme that is running in the hospital clinic in Tembisa.

“One of the major problems that faces us is **funding** our core.”

Prof Gavin Churchyard,
CEO, The Aurum Institute

CAN YOU POSSIBLY HELP?

Our business plan requires that we eradicate Southern Africa of HIV/AIDS and TB by 2035.

Our infrastructure is strong. And we at the Aurum Institute and our local and global partners have made huge in-roads in the journey to eradicate the scourge of HIV/AIDS and TB from the various communities in which we work. But every step of the way requires a firm foothold. Supported either financially, or in kind.

That is where we require help. Your help. Your support. To push forward we need further supplies. For our core infrastructure and our projects. In cash and in kind.

Join us and together we can continue to advance against the enemy. Together we can become an even stronger and more potent force. Talk to us about what you can do. Help us to eradicate this dreadful human affliction.

Here's to an overwhelming victory, that many can share. Our work depends on your support.

If you would like further information, or believe you could help, please contact Dr Paul Davis directly on: pdavis@auruminstitute.org



An Aurum HIV counsellor consults a member of the public before she is tested for HIV. Thorough counselling is conducted to ensure the client will cope with the outcome of their test.

“The rigour with which objectives and targets are set and the manner in which they are worked towards are impressive. The stated value of “integrity” is evident, and the impact of this organisation is impressive.”

Centre for Disease Control /
SEAD April 2009



Come and join us, come and join us at Aurum", says Pheunius Ramaphakela, a participant in the Rustenburg Research Programme sponsored by Family Health International and the International AIDS Vaccine Initiative.

OUR PARTNERS

International Collaborators and Partners

Columbia University, Johns Hopkins University, London School of Hygiene and Tropical Medicine, New Jersey Medical School, St George's University of London, University of Manitoba, Harvard University, International AIDS Vaccine Initiative (IAVI), HIV Vaccine Trials Network (HVTN), Center for HIV/AIDS Vaccine Immunology, Consortium to Respond Effectively to the Aids and TB Epidemic (CREATE), Center for Disease Control (CDC), National Institute of Occupational Safety and Hygiene

Local Collaborators and Partners

University of Johannesburg, University of KwaZulu-Natal, University of Cape Town, University of the Witwatersrand, University of Pretoria, Stellenbosch University, Centre for the AIDS Programme of Research in South Africa (CAPRISA), National Institute for Communicable Diseases, Toga Laboratories, South African TB Vaccine Initiative (SATVI), National Health Laboratory Services (NHLS), Tembisa Hospital, Ekurhuleni Municipality, Chris Hani Baragwanath Hospital, Madwaleni Hospital, Perinatal Health Research Unit (PHRU), Reproductive Health Research Unit (RHRU), Right to Care, Ndelela Clinical Trials Unit,

South African Business Coalition on AIDS (SABCOHA), Johannesburg Metropolitan Trading Company (MTC) National Department of Health South Africa, Provincial Department of Health: Gauteng, Provincial Department of Health: North West, Provincial Department of Health: Mpumalanga, Provincial Department of Health: Limpopo, Provincial Department of Health: Free State, Provincial Department of Health: Eastern Cape, Provincial Department of Health: KwaZulu Natal

Funders

AngloGold Ashanti Fund, Anglo American Chairman's Fund, President's Emergency Plan for AIDS Relief (PEPFAR), Family Health International (FHI), International AIDS Vaccine Initiative (IAVI), HIV Vaccine Trials Network (HVTN), Consortium to Respond Effectively to the Aids and TB Epidemic (CREATE), GlaxoSmithKline (GSK), Aeras Global TB Vaccine Foundation (AERAS), South African AIDS Vaccine Initiative (SAAVI), Centre for HIV/AIDS Vaccine Immunology (CHAVI), European Union (EU), Foundation for Innovative New Diagnostics (FIND), Sanofi-Aventis, Centre for the AIDS Programme of Research in South Africa (CAPRISA), European and Developing Countries Clinical Trials Partnership (EDCTP), Mine Health and Safety Council (MHSC)



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