



science
& technology

Department:
Science and Technology
REPUBLIC OF SOUTH AFRICA



National
Research
Foundation



2016 NATIONAL RESEARCH FOUNDATION AWARDS

SCIENCE EXCELLENCE FOR DEVELOPMENT

Welcome

Dr Molapo Qhobela

Chief Executive Officer, National Research Foundation



Knowledge is the currency of a thriving economy. Generating and engaging with that knowledge delivers innovative ideas that empower and sustain nations. Hence the mandate of the National Research Foundation is to promote and support knowledge creation, human capacity development and the creation of a society that engages with science, technology and innovation.

The mandate of the NRF finds expression in the NRF awards which are a celebration of research excellence. The men and women honoured through the awards are a reflection of research excellence in the various stages of their research development. We celebrate the achievements of next generation researchers who have shown outstanding academic performance in the final year of their PhD; research leaders established in their respective fields, as evaluated by their peers through the NRF rating system; and a lifetime achievement awardee, among others. Their research has already, or stands to impact society in positive, albeit varied, ways. Without their valuable work, we would not advance humanity's body of knowledge or be able to secure a brighter future for all South Africans.

Please join me in celebrating research excellence and in congratulating the 2016 NRF Awards recipients.

Science Speaker

Dr Sanjaya Rajaram

Director, Resource Seeds International

Born in India and a citizen of Mexico, Sanjaya Rajaram graduated with his BSc in Agriculture from the University of Gorakhpur and Master's in Genetics and Plant Breeding from the Indian Agricultural Research Institute in 1962 and 1964 respectively. In 1965 he began his PhD in Plant Breeding at the University of Sydney on a scholarship from the Rotary Club of Narrabri under Dr I A Watson, a fellow graduate student with Norman Borlaug at the University of Minnesota. Watson recommended him to Dr Borlaug and Dr Glenn Anderson at the International Maize and Wheat Improvement Center (CIMMYT) in Mexico, an action that set in motion Rajaram's distinguished scientific career in wheat research. He implemented a major expansion of Borlaug's ingenious shuttle-breeding approach in countries beyond Mexico.

Rajaram significantly advanced his mentor's work in improving wheat varieties during a period that has been described as the "golden years" of wheat breeding and production. Like Borlaug, Rajaram had the extraordinary ability to visually identify and select for cross breeding the plant varieties possessing a range of desired characteristics, an ability that was essential to wheat breeding in the 1980s and '90s. Rajaram also launched efforts to expand the global scientific wheat network which had not been done before. This led to the accelerated development and worldwide spread of high-yielding wheat varieties which has kept the expansion of global wheat production ahead of population growth and made wheat even more accessible to the world's poor. He also realised the importance of nutrition to the poor and strongly supported research on micronutrient-enriched wheat varieties.

In 2007, Dr Borlaug, a Nobel Peace Prize Laureate and initiator of the World Food Prize, expressed high praise for Rajaram in a personal note: "You have developed into the greatest present-day wheat scientist in the world...have made and continue to make many important contributions to further improve world wheat production...have learned to work effectively in many different countries with political leaders of different ideologies...and are a scientist of great vision." Dr Sanjaya Rajaram was honored as the 2014 World Food Prize Laureate for his scientific research that led to a prodigious increase in world wheat production building upon the successes of the Green Revolution.

Dr Rajaram succeeded Dr Norman Borlaug in leading CIMMYT's wheat breeding programme, and developed an astounding 480 wheat varieties that have been released in 51 countries on six continents and have been widely adopted by small and large-scale farmers alike. After a distinguished career at CIMMYT, Dr Rajaram joined the International Center for Agricultural Research in the Dry Areas, and later developed his own seed company, Resource Seeds International.



NRF AWARDS 2016

Research Excellence Award for Next Generation Researchers

The NRF provides funding to postgraduate students in order to address the skills shortages in the fields of science, engineering and technology and humanities and social sciences. One of the aims is to increase the chances of retaining suitably qualified young scientists, and thus increasing the pool of researchers and knowledge workers in the NSI.

This award recognises outstanding academic performance by final year doctoral students.



Mr Sooraj Baijnath

Catalysis and Peptide Research Unit, University of KwaZulu-Natal

Sooraj Baijnath's research has seen him extensively involved in the evaluation of antibiotics targeting tuberculosis meningitis (TBM) in animal models using LC-MS and mass spectrometry imaging (MSI). He conceptualised an innovative project during which various cryoprotectants were compared as lung inflation media with the aim of preserving lung structural integrity during sample preparation, after noting a shortfall in current MSI protocols. Subsequent to being awarded an NRF internship at the Institute of Water and Wastewater Technology at the Durban University of Technology in 2014, he was awarded an NRF Scarce Skills PhD scholarship and joined the Catalysis and Peptide Research Unit (CPRU) at the University of KwaZulu-Natal.



Dr Pragashnie Govender

School of Health Sciences, University of KwaZulu-Natal

Dr Govender is an academic within the field of Occupational Therapy. Her studies proposed an evidence-based instrument as an option for a more accurate clinical assessment of hypotonia – a symptom of an array of both neurological and genetic diagnoses in children. Currently, there are no standardised assessment tools for children, making the correct early diagnosis and treatment of this condition difficult given that it is a symptom of a number of conditions or disorders. Govender's action plan is thus responding to the need for more evidence-based assessment, advancing goals related to child health with respect to early detection and intervention and has both national and global significance. To date, Pragashnie has produced 15 publications and one book chapter; has served as external examiner, presented papers both nationally and internationally; and has been elected to serve on various scientific committees.

NRF AWARDS 2016

Research Excellence Award for Early Career/ Emerging Researchers

The Thuthuka Programme is central to the NRF's human capital development strategy in so far as it relates to advancing the equity and redress agenda within the research sphere. Operating in the ever evolving higher education landscape, the Programme aims to develop human capital and to improve the research capacities of designated researchers, ultimately redressing historical imbalances.



Professor Nosipho Moloto
School of Chemistry, University of the Witwatersrand

Professor Moloto's research involves synthesis and characterisation of various types of semiconductor nanostructures and their application in solar cells, gas sensors and as biolabels for early diagnostics of diseases. She completed her PhD in 2011 and is currently the vice-chairperson of the South African Solar Energy Association. She is passionate about fostering a love for science among youngsters and provides career guidance to high school learners; conducting chemistry experiments for pupils in rural Zululand; and performing duties as a content specialist and adjudicator for the South African Agency for Science and Technology Advancement (SAASTA) School Debates. She is also one of the founders of the Nanosciences Young Researcher's Symposium.



Professor Mark Engel
Department of Medicine, University of Cape Town

Professor Engel's expertise is in epidemiology and evidence-based medicine research methods. He received his PhD in 2013 conducting prevalence studies of asymptomatic rheumatic heart disease and sore throat among school children in peri-urban Cape Town. His research includes all aspects of rheumatic heart disease, with particular interest in Group A Streptococcus (GAS), the organism involved in disease development. He established AFROStrep, Africa's first registry and biorepository for GAS to document the occurrence of infection and to provide a platform for training and research across the continent. He has published 44 articles and his work on the molecular epidemiology of Group A Streptococcus pharyngitis in South Africa has contributed to collaborative efforts in developing a vaccine for GAS with colleagues in Tennessee, USA.

P-Rated Researchers

A "P" rating is assigned to researchers (normally under 35 years of age) who have held a doctorate or equivalent qualification for less than five years at the time of application. These researchers are considered likely to become future international leaders in their respective fields, on the basis of exceptional potential demonstrated in research performance and output during doctoral and/or early post-doctoral careers.



Dr Katy Altieri
Energy Research Centre, University of Cape Town

Dr Altieri's multi-disciplinary research includes atmospheric chemistry, air-sea interactions and biogeochemistry. She has a PhD in Oceanography from Rutgers University and won the 2008 Peter B. Wagner Memorial Award for Women in Atmospheric Sciences. She is currently a Senior Research Officer at the University of Cape Town.



Dr Shazrene Mohamed
Research Fellow, South African Astronomical Observatory

Dr Shazrene Mohamed is an expert researcher in numerical simulations of binary stars and the impact of stars on their environments. She is currently overseeing the building of a computing cluster at SAAO and is developing the next generation of models into more advanced code. She also serves on the IAU's South African National Committee.



Dr Robyn Pickering
Department of Geological Sciences, University of Cape Town

Dr Pickering is an isotope geochemist with an interest in palaeoanthropology and archaeology. She completed her PhD in Geochemistry at the University of Bern, Switzerland. She is currently setting up a new U-Pb dating laboratory at the University of Cape Town, the first of its kind in the country.



Professor Grant Theron
Department of Biomedical Sciences, Stellenbosch University

Professor Theron's research into TB diagnosis, epidemiology and transmission resulted in a ground-breaking new DNA-based test for the disease which can be performed clinically by minimally trained personnel. He also won the Young Investigator Award from the International Union Against Tuberculosis and Lung Disease.

A-Rated Researchers A-RATED FOR THE 1ST TIME

A-rated researchers are unequivocally recognised by their peers as leading international scholars in their respective fields, for the high quality and impact of recent research outputs. Acquiring an NRF rating generates considerable acknowledgement and respect for the individual researchers as well as their institutions.



Professor Mark Cotton
Department of Paediatrics and Child Health, Stellenbosch University

Professor Cotton is a specialist in paediatric infectious diseases with extensive experience in managing HIV-infected children. He completed a PhD on the role of apoptosis in paediatric HIV infection and is currently the principal investigator for the Stellenbosch University Clinical Trials Unit, focusing on TB and HIV.



Professor Erika de Wet
*Institute for International and Comparative Law in Africa
University of Pretoria*

Professor De Wet is the DST/NRF SARCHI Professor of International Constitutional Law at the University of Pretoria. Her research examines legal consequences that exercising of public power by organisations such as the UN and AU has for states and for those living in them.



Professor Bruce Hewitson
*Department of Environmental and Geographical Science
University of Cape Town*

Professor Hewitson is the SA National Research Chair on Climate Change at the University of Cape Town. His research explores regional climate variability and change over Africa and he leads the Climate System Analysis Group (CSAG) at UCT.



Professor Florian Luca
School of Mathematics, University of the Witwatersrand

Professor Luca is a leading authority on number theory and analysis. Although situated in the field of theoretical mathematics, He has published almost 50 papers a year in the last decade and is a proponent of co-authoring papers with colleagues and all of his postgraduates in his field to advance up-and-coming theorists.

A-Rated Researchers A-RATED FOR THE 1ST TIME

Professor Lenore Manderson
School of Public Health, University of the Witwatersrand



Professor Manderson is renowned for her work in medical anthropology, social history and public health. Her interests extend to interdisciplinary collaborations in the social and biosciences, humanities and creative arts, for social justice, human rights, and sustainability. She is a member of the TDR Scientific and Technical Advisory Committee and the editor of *Medical Anthropology*.

Professor Bongani Mayosi
Department of Medicine, University of Cape Town



Professor Mayosi is a major contributor to the fields of cardiology and genetics. He has played a key role in developing global policy on health research and received many accolades during his career, including a Fellowship of the World Academy of Arts and Science; South African Medical Association/Bonitas Medical Fund Merit Award for Health Research and the the Order of Mapungubwe (Silver).

Professor Achille Mbembe
*Wits Institute of Social and Economic Research
University of the Witwatersrand*



Professor Mbembe's research investigates the "postcolony" that comes after decolonisation as well as the emergence of "Afro-cosmopolitan culture" and the artistic practices that are associated with it. He serves on the editorial boards of *Political Theory* and *Atlantic Studies* and is contributing editor of *Public Culture*.

Professor Lynn Morris
*National Health Laboratory Service
National Institute for Communicable Diseases*



Professor Morris's research looks at the virological and immunological aspects of South African HIV-1 subtype C infection. HIV vaccine development is a major focus of her research. She heads the HIV Virology Section of the National Institute for Communicable Diseases and is a Research Professor at the University of the Witwatersrand.

A-Rated Researchers A-RATED FOR THE 1ST TIME



Professor Gerald Nurick

Department of Mechanical Engineering, University of Cape Town

Professor Nurick works in the field of impact dynamics, currently studying structural failure, effects of buried explosives, confined blasts, and laminated and sandwich structures. He established the Blast Impact Survivability Research Unit (BISRU) at UCT and has frequently been invited to visit and lecture overseas and serves on the editorial boards of various international journals.



Professor Craig Packer

School of Life Sciences, University of KwaZulu-Natal

Professor Packer is an ecologist, researching ecology of infectious diseases, ecosystem processes in African savannahs, and conservation strategies for mitigating problem-animal conflicts. He authored *Into Africa*, the 1995 John Burroughs Medal winner, and more than 100 scientific articles in high-impact journals. He is well known for his studies on lions in different areas of Africa.



Professor Chris Reason

Department of Oceanography, University of Cape Town

Professor Reason's main research is on climate variability and change in the Southern Hemisphere and the role of the oceans in driving this change. He has published 191 journal articles serves on editorial boards of several international journals, He won the Stanley Jackson Prize for best published paper in Atmospheric Science or Physical Oceanography by a South African scientist six times.



Professor Paul van Helden

Department of Biomedical Sciences, Stellenbosch University

Professor van Helden is an expert in the area of tuberculosis, including genetic host susceptibility as well as the aetiology, molecular epidemiology, immunology and diagnosis thereof. He is the Head of the Department of Biomedical Sciences; Director of the MRC Centre for TB Research and Director of the DST/NRF Centre of Excellence in Biomedical TB Research.

A-Rated Researchers A-RATED FOR THE 1ST TIME



Professor Willem Visser

*Department of Mathematical Sciences
Stellenbosch University*

Professor Visser's research focuses on the probabilistic analysis of software programs, a novel combination of symbolic analysis and model counting to allow precise reasoning about the reliability of software. He is best known for his work on the Java PathFinder (JPF) model checker project and Symbolic PathFinder (SPF).

A-Rated Researchers A-RATED FOR THE 2ND TIME



Professor Nigel Bennett

Department of Zoology and Entomology, University of Pretoria

Professor Bennett's research focuses on ecology, animal physiology and behaviour, investigating the ecological and physiological factors that affect the control of reproduction and the evolution of sociality. He holds the Austin Roberts Chair of Mammalogy and the DST-NRF SARChI Chair for Mammal Behavioural Ecology and Physiology and won the Havenga Prize from the Academy of Arts and Sciences



Professor David Chidester

Department of Religious Studies, University of Cape Town

A prolific writer and an internationally acclaimed scholar in the field of comparative religion, Professor Chidester is known for his reflection on theory and method in the study of religion and the study of South African religions. He has published extensively and is a two-time winner of the American Academy of Religion's "Award for Excellence in Religious Studies".

A-Rated Researchers A-RATED FOR THE 2ND TIME



Professor Pedro Crous

Department of Microbiology and Plant Pathology, University of Pretoria

As a phytomycologist, Professor Crous's main interest lies in the evolution and phylogeny of plant pathogenic fungi, especially Dothideomycetes, Diaporthales and Hypocreales. The aim of his research group is to determine genetic variation in species and populations, and to develop molecular tools that will enable rapid detection of such pathogens.



Professor Michael Feast

Astronomer, South African Astronomical Observatory

Professor Feast's current research includes the composition, structure and evolution of our own and nearby galaxies; the use of variable stars to establish distances in the Universe; and mass-loss from stars. He has had a minor planet named after him and has represented South African astronomy at the highest international level. In 2015 he received the NRF Lifetime Achievement Award.



Professor Charles Feldman

Department of Internal Medicine, University of the Witwatersrand

Professor Feldman's research focuses on community-acquired pneumonia, particularly pneumococcal pneumonia, investigating the effects of various pneumococcal virulence factors on human ciliated epithelium and host immune cells, and the effects of macrolide antibiotics on pneumococcal growth and expression of virulence factors. His numerous awards include the PV Tobias Medal.

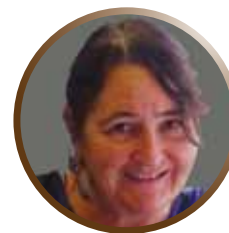


Professor Valerie Mizrahi

*Institute of Infectious Disease and Molecular Medicine
University of Cape Town*

Professor Mizrahi is recognised for her work on the biology of tuberculosis and advancing our understanding of TB, drug resistance and drug discovery. Her many accolades include the Order of the Mapungubwe (Silver); the Unesco-L'Oréal For Women in Science Award; and the DST Distinguished Woman Scientist Award.

A-Rated Researchers A-RATED FOR THE 2ND TIME



Professor Claire Penn

*School of Human and Community Development
University of the Witwatersrand*

Professor Penn is a speech and language pathologist and a world leader in linguistics, sign language, child language, aphasia, head injury and research ethics. Her accolades include the Order of Mapungubwe (Silver) in 2007 and the DST Distinguished Woman Scientist Award.



Professor Xiaohua Xia

*Department of Electrical, Electronic and Computer Engineering
University of Pretoria*

Professor Xia's research includes non-linear feedback control, observer design, time-delay systems, hybrid systems, modelling and control of HIV/AIDS, control and handling of heavy-haul trains and energy modelling and optimisation. He is the Director of the Centre of New Energy Systems at the University of Pretoria.

A-Rated Researchers A-RATED FOR THE 3RD TIME



Professor Leonard Barbour

*Department of Chemistry and Polymer Sciences
Stellenbosch University*

Professor Barbour heads a Structural Chemistry Laboratory at Stellenbosch University where he explores the structure-function relationships of new materials. He has co-authored 180 articles and is the winner of the NSTF Individual Award; the SASOL Innovator of the Year Award; and the Gold Medal of the SAChemical Institute.



Professor David Lewis-Williams

Rock Art Research Institute, University of the Witwatersrand

Professor Lewis-Williams focuses his research on rock art, cultural heritage and the rights of the San people of Southern Africa. He developed methods for the interpretation of sophisticated San rock art, a significant part of South Africa's heritage and is recognised as the father of rock-art archaeology. He received the Order of the Baobab (Gold) for his contribution to the field of archaeology.



Professor Timothy Noakes

Department of Human Biology, University of Cape Town

Professor Noakes's research has broken new ground in our understanding of human physiology, exercise and endurance. He founded the UCT/MRC Research Unit for Exercise and Sports Medicine and co-founded the Sports Science Institute of South Africa. His many accolades include the Citation Award from the American College of Sports Medicine and the Order of Mapungubwe (Silver).



Professor Helmut Prodinger

Department of Mathematical Sciences, Stellenbosch University

Professor Prodinger is a foremost researcher in combinatorics. His work has greatly improved understanding of the asymptotic properties of digital search trees by introducing novel techniques such as the Mellin transform to the subject. He has published over 300 articles; serves on various editorial boards; and has won the Award for Research Distinction and Gold Medal of the SA Mathematical Society.

A-Rated Researchers A-RATED FOR THE 3RD TIME



Professor Nicolas Beukes

Department of Geology, University of Johannesburg

Professor Beukes is a field geologist specialising in sedimentology and stratigraphy with emphasis on understanding the origin of iron and manganese ore deposits and the nature of surface environments on early Earth. He won the Draper Medal; the Centenary and Havenga Medals; and the Jubilee Medal twice for best publication in the SA Journal of Geology.



Professor Norman Owen-Smith

*School of Animal, Plant and Environmental Sciences
University of the Witwatersrand*

Professor Owen-Smith's research goal is to develop an ecological understanding of applications in conservation, particularly for large mammalian herbivores and their interactions with vegetation in African savanna ecosystems. His awards include the Gold Medal of the Southern African Association for the Advancement of Science.

Excellence in Science Engagement Award

The Science Engagement Award recognises individuals who make outstanding contributions to public engagement with science and encourages academics to make their work, and science and technology in general, more accessible to the public.



Professor Lee Berger

Evolutionary Studies Institute, University of the Witwatersrand

A pioneer in the use of social media and other communication platforms to promote public understanding of science, Professor Berger has built a reputation as both scientist and communicator. His work in palaeoanthropology has garnered world renown, particularly his team's hominid fossil discoveries of *Australopithecus sediba* and *Homo naledi*. His commitment to making his work accessible to ordinary people, particularly in encouraging girls to take up STEM subjects at school and at tertiary level, has helped to lift the veil of mystery around science and its impact on society. He has published numerous articles and book chapters and was named by Time magazine as one of the 100 Most Influential People in the World for 2015.

Champion of Research Capacity Development and Transformation at SA Higher Education Institutions

This award acknowledges an individual for their contributions to the transformation of South Africa's science community and landscape. The aim of this award is to encourage and promote this activity across the South African research community.



Professor José Frantz

*Faculty of Community and Health Sciences
University of the Western Cape*

Professor Frantz's research focus is in the area of health professions education and faculty development as well as prevention of chronic diseases of lifestyle in young people. She has supervised 37 Master's and seven PhD students. Of the students graduated, she has assisted 33 of them to convert their work to publications. She also facilitates mentoring by educators of the students they train. She has published 89 articles from 2005 to 2015 and is editor of both the SA Journal of Physiotherapy and the Journal of Community and Health Sciences. She is currently Dean of the Faculty of Community Health Sciences at the University of the Western Cape.

NRF Excelleration Award

Derived from the words "excellence" and "acceleration", the Excelleration Award acknowledges South African research institutions for achieving the most improved research performance over recent years, measured against a selection of critical indicators.



Hamilton Naki Award

Named for the self-taught surgeon who trained generations of medical students in surgical techniques, the Hamilton Naki Award honours individuals for achieving world-class research performance despite considerable equity challenges.



Professor Lerothodi Leeuw

*School of Interdisciplinary Research and Graduate Studies
University of South Africa*

The apartheid government denied registration to qualified black engineers, hampering Professor Leeuw's early ambitions. An opportunity to study at the Massachusetts Institute of Technology (MIT) in the USA enabled him to become the first black South African to obtain a BSc degree and one of only three black students to major in Physics at the institution. He has a MSc in Astronomy from UCT and PhD in Astrophysics from the University of Central Lancashire in the UK. He now conducts multi-wavelength astrophysical research and has published articles in more than 50 international journals. He won the Thomas Pringle Prize and a NASA Research Fellowship.

Lifetime Achievement

This accolade is awarded to individuals considered to have made extraordinary contributions, of international standard and impact, to the development of science in and for South Africa over an extended period of time, and for the manner in which their work has touched and shaped the lives and views of many South Africans.

Professor Chabani Manganyi

Centre for the Advancement of Scholarship, University of Pretoria

Professor Chabani Manganyi is a writer of prominence who has had a distinguished career in psychology, education and government, having held some highly prestigious appointments in the educational and academic spheres.

He was born in the district of Louis Trichardt and, after his schooling, studied at the University of South Africa where he completed a BA and received an Honours degree in Psychology in 1964; an MA in 1968; and a DLitt et Phil in Psychology in 1970. His doctoral thesis was on Body Image in Paraplegia.

As part of his doctoral requirements he held an internship in clinical psychology at Baragwanath Hospital where he was later appointed as a clinical psychologist, a post he occupied for three years until he left to take up a post-doctoral fellowship at Yale University. He began publishing in the early 1970s.

In 1976 Prof Manganyi took up a professorship at the University of Transkei where he established the Department of Psychology and served as its first Chair. In 1980 he was appointed Senior Research Fellow and Visiting Professor at the University of the Witwatersrand's African Studies Institute. This was to be his home for ten years and the place where he produced two of his most important works and laid the foundation for his subsequent research. He also continued his clinical practice part time and spent 1985 back at Yale as a Visiting Fellow.

In 1990 he became the Vice-Chancellor and Principal of the University of the North, and, from 1993 to 1994, the Executive Director of the Private Sector Initiative Joint Education Trust. When a fully democratic government was established in South Africa in 1994, Prof Manganyi stepped into the office of Director General in the Department of Education, a position he held until 1999, when he became Advisor to the Vice-Chancellor of the University of Pretoria. In 2003 he was appointed Vice-Principal of the University of Pretoria, an office he held until 2006. He was also Chairperson of the Council on Higher Education (CHE).



NRF AWARDS 2016

In the 1970s and early 1980s he published a series of monographs, the first of which was *Being Black in the World* (1973), and the last, *Looking Through the Keyhole* (1981). In these works, Prof Manganyi examined the effects of institutionalised racism on the internal worlds and external realities of South Africans. To this end, he explored a range of group and individual responses to the forms of institutionalised racism that characterised South Africa at the time, including alienation, distorted relations with the body, and the quest for freedom.

Central to these texts, too, was a concern with issues of identity development in oppressive social contexts such as apartheid South Africa. These early works were the first serious attempt by a South African psychologist to engage with the interface between the individual and society in the context of systematically asymmetrical relations of power and they were welcomed by many who were searching for a psychology better able to make sense of the internal and more explicitly social realities of the majority of South Africans. Significantly, too, the texts identified a number of critical imperatives for a more generative South African psychology. Arguably the most important of these was his appeal that mental health services be made more appropriate and accessible to all South Africans, a call that is still pertinent today.

Prof Manganyi's examination of the effects of violence on individuals and groups, particularly in *Mashangu's Reverie*, published in 1977, in which he explores the place of the Black Consciousness Movement as the antithesis of the dominant and racist culture, is widely considered to be seminal in the field of psychology. The exploration of the phenomenon of violence is reprised and elaborated in his more recent publications. His oeuvre has made a substantial contribution to South African psychology, a contribution which has still to be fully acknowledged.

When an in-depth history of the Black Consciousness Movement of the 1970s is written, there is no doubt that Professor Chabani Manganyi will be seen as a significant participant and one of the few who, before the Truth and Reconciliation Commission, took seriously the psychological effects of institutionalised racism; effects that still afflict our society profoundly.

In 1983 he published the biography of one of South Africa's best-known authors, Es'kia Mphahlele. *Exiles and Homecomings: A Biography of Es'kia Mphahlele* was followed a year later by *Bury me at the Marketplace*, a selection of Mphahlele's letters written between 1943 and 1980. In 1996 he published *A Black Man Called Sekoto* and in 2004 *Gerard Sekoto: I am an African*; studies of the painter Gerard Sekoto.

Professor Manganyi's thoughtful and meticulous account of what it has meant to become South Africa's first black psychologist, *Apartheid and the Making of a Black Psychologist: A Memoir by N. Chabani Manganyi* was launched in June 2016.

In recent years his contribution to psychology and South Africa has been acknowledged through Honorary Doctorates from the University of the Witwatersrand and the University of South Africa, and a certificate of acknowledgement from Rhodes University. He received the Psychological Society of South Africa Fellowship in recognition of his contributions to the discipline and the profession.

NRF AWARDS 2016

Researchers Rated During The 2015 Rating Cycle (Other Categories)

| Agricultural Research Council | |
|---|-----------|
| Banga CB | C3-rating |
| Bownes A | Y2-rating |
| Maboko MM | Y2-rating |
| Madoroba E | C3-rating |
| Maponya PI | Y2-rating |
| Nofemela RS | Y2-rating |
| Cape Peninsula University of Technology | |
| Barris K | C3-rating |
| Laubscher CP | C3-rating |
| Van Zyl IJ | Y2-rating |
| Central University of Technology | |
| Rambe P | C2-rating |
| Council for Geoscience | |
| Hallbauer-Zadorozhnaya VY | C2-Rating |
| Council for Scientific and Industrial Research | |
| Backeberg BC | Y1-rating |
| Bernard S | B3-rating |
| Dlodlo N | C3-rating |
| Gibberd JT | C3-rating |
| Rautenbach C | Y2-rating |
| Von Maltitz GP | C2-rating |
| Department of Environmental Affairs | |
| Makhado AB | C3-rating |
| Durban University of Technology | |
| Collins AJL | C2-rating |
| Durban University of Technology | |
| Dorasamy N | C3-rating |
| Erwin K | Y2-rating |
| Govender M | C2-rating |
| Kuttan Pillai SK | C3-rating |
| Human Sciences Research Council | |
| Bialostocka OA | Y2-rating |
| Jacobs PT | C1-rating |
| Makiwane MB | C3-rating |
| iThemba Laboratory for Accelerator Based Sciences | |
| Shirinda O | Y2-rating |

| Nelson Mandela Metropolitan University | |
|--|-----------|
| Blignaut SE | C3-rating |
| Dallas HF | C2-rating |
| Govender S | Y2-rating |
| Makuwira J | C2-rating |
| Nel P | C2-rating |
| O'Connell JH | Y1-rating |
| Olivier EJ | Y2-rating |
| Veldsman S | B2-rating |
| North-West University | |
| Allison JS | C3-rating |
| Amoateng AY | C2-rating |
| Aucamp ME | Y2-rating |
| Baumgartner J | Y1-rating |
| Coetzee SK | Y2-rating |
| De Waal E | C3-rating |
| Drewes JE | C3-rating |
| North-West University | |
| Du Plessis Y | C3-rating |
| Le Roux M | Y2-rating |
| Loubser SI | C2-rating |
| Maré LP | C3-rating |
| Mels CMC | Y2-rating |
| Middelberg SL | Y2-rating |
| Nienaber-Rousseau C | Y2-rating |
| Olela-Otafudu O | C3-rating |
| Pieters R | C3-rating |
| Siebert SJ | C2-rating |
| Smit N | C1-rating |
| Ueckermann EA | B2-rating |
| Uren KR | Y2-rating |
| Van der Merwe P | C3-rating |
| Van Dyk L | C2-rating |
| Zulu CB | C3-rating |
| Nuclear Energy Corporation of South Africa | |
| Prinsloo RH | Y2-rating |
| Rhodes University | |
| Bernardi G | B3-rating |
| Snowball JD | C1-rating |

| Young CS | C3-rating |
|---|-----------|
| South African Medical Research Council | |
| Abrahams N | B3-rating |
| Mathee A | B2-rating |
| Mathews C | B2-rating |
| Naicker NN | C3-rating |
| Nyirenda M | Y2-rating |
| South African Medical Research Council | |
| Parry CDH | B1-rating |
| Peer N | C3-rating |
| Ramjee G | B1-rating |
| Street RA | Y2-rating |
| South African National Biodiversity Institute | |
| Zengeya TA | Y2-rating |
| South African National Space Agency | |
| Habarulema JB | Y1-rating |
| Kotze PB | C2-rating |
| Maharaj SK | C3-rating |
| Stellenbosch University | |
| Bekker A | C3-rating |
| Brink Y | Y2-rating |
| Calitz KB | C2-rating |
| Chegou NN | Y2-rating |
| Coetzee CJ | C2-rating |
| De Villiers M | Y2-rating |
| Du Preez ND | C3-rating |
| Engelbrecht AS | C3-rating |
| Engelbrecht HA | C3-rating |
| Fawole OA | Y1-rating |
| Glashoff RH | C3-rating |
| Görgens G | Y2-rating |
| Hanekom SD | C2-rating |
| Morris LD | Y2-rating |
| Murray SA | C3-rating |
| Nieuwoudt HH | C2-rating |
| Pretorius C | Y2-rating |
| Stellenbosch University | |
| Rautenbach M | C2-rating |
| Reid MB | Y2-rating |

Researchers Rated During The 2015 Rating Cycle (Other Categories)

| Roychoudhury AN | B3-rating |
|----------------------------------|-----------|
| Simaika JP | Y2-rating |
| Suliman S | Y2-rating |
| Thomas K | C2-rating |
| Van der Spuy GD | C3-rating |
| Van Schalkwyk SC | C3-rating |
| Von Backström TW | B3-rating |
| Vrey F | C1-rating |
| Wolfaardt GM | B2-rating |
| Zemlin AE | C2-rating |
| Zöllner EWA | C3-rating |
| Tshwane University of Technology | |
| Moshia ME | Y2-rating |
| Shai LJ | C3-rating |
| Sirayi HM | C2-rating |
| University of Cape Town | |
| Alexander J | B2-rating |
| Ataguba JE | Y1-rating |
| Bekker LG | B1-rating |
| Blamey LK | Y2-rating |
| Blyth SL | C2-rating |
| Boulle AM | B2-rating |
| Brown CL | C3-rating |
| Brujins SR | Y2-rating |
| Chopera R | Y2-rating |
| Conradie BI | C1-rating |
| Cooper LH | C2-rating |
| University of Cape Town | |
| Daniels RC | Y2-rating |
| Davies MA | C1-rating |
| Dessi U | C1-rating |
| De Vries J | C1-rating |
| Ehrlich R | B2-rating |
| Evans MJ | Y1-rating |
| Grzybowski LG | C1-rating |
| Hatherill M | B1-rating |
| Hodkinson BD | C3-rating |
| Hoving JC | Y2-rating |
| Janelidze-Gray T | Y1-rating |
| Levine SL | C2-rating |
| Long W | Y1-rating |

| Makhubu NM | Y1-rating |
|-----------------------------|-----------|
| Muchapondwa E | C2-rating |
| Nitschke GSN | Y2-rating |
| Odendaal N | C2-rating |
| Oldfield S | C1-rating |
| Oni T | Y1-rating |
| Pande AP | Y1-rating |
| Porcu E | C2-rating |
| Rajaratnam K | Y2-rating |
| Raxworthy JR | C3-rating |
| Ross IL | C2-rating |
| Russo FGR | C1-rating |
| Schneider M | C1-rating |
| Shock JP | C2-rating |
| Sivarasu S | Y2-rating |
| Stynder DD | C1-rating |
| Thomson SR | C2-rating |
| Van der Watt PJ | Y2-rating |
| University of Cape Town | |
| Weinberg PD | C1-rating |
| Wilmshurst JM | B3-rating |
| Windapo AO | C2-rating |
| Zuidgeest MHP | C2-rating |
| University of Fort Hare | |
| Chiduzu C | C2-rating |
| University of Johannesburg | |
| Aigbavboa CO | Y2-rating |
| Chasi CT | C3-rating |
| Duncan J | C2-rating |
| Dundu M | C2-rating |
| Farber LN | C2-rating |
| Leonard L | Y2-rating |
| Mboti NM | Y2-rating |
| Muller AJ | C3-rating |
| Petersen NF | C2-rating |
| Pretorius JHC | C3-rating |
| Rogerson JM | C3-rating |
| Vally S | C2-rating |
| Van der Westhuizen GJ | C2-rating |
| University of KwaZulu-Natal | |
| Abbai NS | Y2-rating |

| Adeniyi A | Y2-rating |
|-----------------------------|-----------|
| Arvidsson PIA | B3-rating |
| Bala MD | C3-rating |
| Bertling I | C2-rating |
| Bracking SL | B3-rating |
| Chetty N | Y2-rating |
| University of KwaZulu-Natal | |
| Chuturgoon AA | C2-rating |
| Dempster ER | C2-rating |
| Egoh BN | C1-rating |
| Govender DW | C3-rating |
| Govender S | C2-rating |
| Harinarain N | Y2-rating |
| Hickner RCH | B2-rating |
| Honarparvar BH | Y2-rating |
| Jachowski DJ | Y2-rating |
| Karpoormath R | Y2-rating |
| Leach PGL | B1-rating |
| Maguire GEM | C2-rating |
| Magwaza LS | Y2-rating |
| Matthews AP | C3-rating |
| Naidoo Y | C3-rating |
| Ojo JO | C1-rating |
| Parle J | C2-rating |
| Petersen I | B3-rating |
| Samuel MA | C1-rating |
| Shimelis HA | C3-rating |
| Singh S | C2-rating |
| Stone RD | C2-rating |
| Vanak AT | C2-rating |
| Zewotir T | C3-rating |
| University of Limpopo | |
| Luus-Powell WJ | C3-rating |
| Moyo NAG | C3-rating |
| Xing BX | Y2-rating |
| University of Pretoria | |
| Abidoye BO | Y1-rating |
| Bezuidenhout DI | Y1-rating |
| Blumenthal R | C2-rating |
| Cassim MF | Y2-rating |

Researchers Rated During The 2015 Rating Cycle (Other Categories)

| | |
|-------------------------------|-----------|
| Crole MR | Y1-rating |
| Dangbegnon JK | Y2-rating |
| Du Toit-Prinsloo L | C2-rating |
| Esposito G | Y2-rating |
| Fourie W | Y2-rating |
| Greve M | Y1-rating |
| Groot DR | C3-rating |
| Hall JH | C3-rating |
| Helbig M | Y1-rating |
| Hlatshwayo TT | Y2-rating |
| Hoobler JM | B3-rating |
| Jacobs JP | C2-rating |
| Janse van Rensburg DC | C2-rating |
| Johnson AF | C2-rating |
| Johnson RD | C2-rating |
| Kleyn AJT | Y2-rating |
| Koekemoer FE | Y2-rating |
| Kok S | C2-rating |
| Le Roux EH | Y1-rating |
| Long MC | C2-rating |
| Louw A | C3-rating |
| MacIntyre UE | C3-rating |
| Malekian R | Y2-rating |
| McIntyre T | Y1-rating |
| Mungatana ED | C3-rating |
| Naidoo R | C3-rating |
| Niemandt CJP | C3-rating |
| University of Pretoria | |
| Nienaber AG | C2-rating |
| Pepper MS | C2-rating |
| Phulukdaree A | Y2-rating |
| Reddy V | B3-rating |
| Satheke MM | B3-rating |
| Schaap P | C3-rating |
| Stander BA | Y1-rating |
| Strasheim C | C2-rating |
| Terblanche SE | C3-rating |
| Tönsing KM | Y2-rating |
| Tosh CA | Y1-rating |
| Van der Bergh RH | Y1-rating |
| Van der Merwe NA | Y2-rating |

| | |
|-------------------------------------|-----------|
| Van Schoor AN | Y1-rating |
| Van Staden S | Y2-rating |
| Van Zyl AJ | Y2-rating |
| Venter CJ | C2-rating |
| Venter ER | Y1-rating |
| Wilke DN | Y2-rating |
| Zoubos K | B3-rating |
| University of South Africa | |
| Basdeo M | C3-rating |
| Botha JD | C1-rating |
| Breetzke GD | C1-rating |
| Byrne DC | C2-rating |
| Da Veiga A | Y2-rating |
| Hedding DW | C2-rating |
| Hugo AJ | C2-rating |
| Kalua FA | C3-rating |
| Kamika I | Y2-rating |
| University of South Africa | |
| Masemola KM | C2-rating |
| Matjila DS | C2-rating |
| Mulenga FK | Y2-rating |
| Mungwini P | C3-rating |
| Ngoepe MS | Y2-rating |
| Nxumalo EN | Y2-rating |
| Osunmakinde IO | C2-rating |
| Ratele K | B3-rating |
| Scott CD | Y2-rating |
| Steyn R | C3-rating |
| Tshaka RS | C2-rating |
| Van den Heever GA | B3-rating |
| Van Wyk JK | C3-rating |
| Velthuisen AG | C3-rating |
| Vettori MS | C2-rating |
| Yessoufou K | Y1-rating |
| Zungu LI | C3-rating |
| University of the Free State | |
| Atangana A | Y2-rating |
| Beelders TR | Y2-rating |
| Cohen AP | Y1-rating |
| De Wet JC | C3-rating |
| Franke AC | C2-rating |

| | |
|--|-----------|
| Jansen JD | B1-rating |
| Morgan N | C2-rating |
| O'Neill HG | C1-rating |
| Pelser AJ | C3-rating |
| Rossouw JH | C2-rating |
| Seedat RY | C3-rating |
| Urbaniak JM | Y2-rating |
| University of the Free State | |
| Van Zyl JM | C3-rating |
| University of the Western Cape | |
| Cluver ME | C1-rating |
| Durojaye ET | C2-rating |
| Jahed MN | C3-rating |
| Mabusela WT | C3-rating |
| Phillips JS | C3-rating |
| Pool EJ | C2-rating |
| Rhoda AJ | C2-rating |
| Roman NV | C3-rating |
| Sivasubramaniam SSV | C3-rating |
| Travers AA | C1-rating |
| Venter IM | C3-rating |
| University of the Witwatersrand | |
| Akpojivi U | Y2-rating |
| Allais S | B3-rating |
| Barmby PW | C2-rating |
| Behrens KG | C1-rating |
| Benhura M | Y2-rating |
| Bolhar R | C2-rating |
| Breckenridge KD | B1-rating |
| Brooksbank RL | C3-rating |
| Chipeta C | Y2-rating |
| Creamer KP | C3-rating |
| Dixon KL | C3-rating |
| Du Toit LC | Y1-rating |
| Ely A | Y2-rating |
| Harding KG | Y2-rating |
| Hetem RS | Y1-rating |
| University of the Witwatersrand | |
| Hirano SH | B3-rating |

Researchers Rated During The 2015 Rating Cycle (Other Categories)

| | |
|--|-----------|
| Ihunwo AO | C3-rating |
| Janse van Rensburg ABR | C2-rating |
| Kar D | B3-rating |
| Kinnaird JA | B3-rating |
| Komin NK | C1-rating |
| Langa M | Y2-rating |
| Le Roux-Kemp A | Y2-rating |
| Letcher CJ | C3-rating |
| Ligaga DA | C3-rating |
| Long CP | C2-rating |
| Magejo P | Y2-rating |
| Maringe FM | C2-rating |
| Maroun WJM | Y1-rating |
| Mathew CGP | B1-rating |
| Mhango MO | C2-rating |
| Mhlambi IJ | C2-rating |
| Milner K | C3-rating |
| Moeno SGKM | Y2-rating |
| Musemwa M | C2-rating |
| University of the Witwatersrand | |
| Musenge E | Y2-rating |
| Myezwa H | C2-rating |
| Naidoo SR | C3-rating |
| Ojwang DO | C1-rating |
| Olwage GE | C2-rating |
| Pyper BS | C3-rating |
| Sheridan CM | Y2-rating |
| Traill LW | C2-rating |
| Woodford DJ | Y2-rating |
| University of Venda | |
| Babalola SS | C3-rating |
| Gitari WM | C3-rating |
| Makgopa MA | C3-rating |
| Mapaya MG | C3-rating |
| Moodley Y | C1-rating |
| Mwale M | Y2-rating |
| University of Zululand | |
| Sithole N | Y2-rating |



National
Research
Foundation

The National Research Foundation acknowledges the support of the following sponsors:

