

CURRICULUM VITAE
Professor Jeffrey MPHAHLELE

QUALIFICATIONS

PhD (Medical Virology) (Medunsa, Pretoria, South Africa) (1999)
Master of Medical Science in Microbiology (Virology) (Medunsa, Pretoria, South Africa) (1995)
BSc (Medical) (Honours (Microbiology) (Medunsa, Pretoria, South Africa) (1993)
BSc (University of the Witwatersrand, Johannesburg, South Africa) (1992)

HEALTH PROFESSIONS COUNCIL OF SOUTH AFRICA REGISTRATION

Category: Biological Medical Scientist (MW 9342)

DATE & COUNTRY OF BIRTH

23 September 1969, South Africa

NATIONALITY

South African

PRIVATE ADDRESSES

- **Physical Address**
8 Luberon Estate, 75 Achilles Street, Zwavelpoort, Pretoria East, 0082
- **Postal Address & Contact Information**
PO Box 37319, Faerie Glen, Pretoria East, 0043
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CURRENT POSITION AND PRIMARY EMPLOYER (from 01 July 2021)

- **Deputy Vice Chancellor: Research and Innovation**
North-West University (Potchefstroom, Mahikeng and Vanderbijlpark campuses)
Office Address: 11 Hoffman Street, Private Bag X6001, Potchefstroom, 2520
Mobile: +27 82 885 0048 Office: +27 18 299 4927
Email: jeffrey.mphahlele@nwu.ac.za

CAREER SUMMARY / PROFESSIONAL EXPERIENCE

- **Vice-President for Research:** South African Medical Research Council, Head Office, Cape Town (1 Oct 2014 to 30 Jun 2021)
- **Professor / Academic Head and Chair:** Department of Virology, University of Limpopo & National Health Laboratory Service (NHLS), Medunsa Campus (Aug 2005 to Sep 2014)
- **Co-Director:** South African Medical Research Council/Diarrhoeal Pathogens Research Unit, World Health Organization Rotavirus Regional Reference Laboratory for Africa, Department of Virology, Sefako Makgatho Health Sciences University & National Health Laboratory Service, Medunsa, Pretoria (Feb 2007 to Mar 2018)
- **Scientific Advisor (Co-founder and Previous Head 2005 to 2014):** South African Vaccination and Immunisation Centre (SAVIC; www.savic.ac.za), hosted in the Dept of Virology, Sefako Makgatho Health Sciences University, Medunsa, Pretoria (2014 to present)
- **Lecturer:** Department of Virology, MEDUNSA, Pretoria (1997 to 2005)
- **Medical Natural Scientist:** Department of Virology, MEDUNSA, Pretoria (1995 to 1997)
- **Research Fellow:** Institute of Virology, University of Glasgow, Scotland (Feb 1996-Jul 1997)
- **Junior Lecturer and Research Officer:** Department of Virology, MEDUNSA, Pretoria (Nov 1994-Mar 1995)

DIRECTORSHIP, BOARD AND OTHER GOVERNANCE STRUCTURES (since 2002)

- **Vice Chairperson** of the National Health Laboratory Service (NHLS) Board (www.nhls.ac.za) (June 2020 to present), Johannesburg.
- **Vice Chairperson** of The European and Developing Countries Clinical Trials Partnership (**EDCTP** www.edctp.org) Association Board (May 2019 to May 2022), The Hague, The Netherlands.
- South African **Deputy Representative in the General Assembly** of The European and Developing Countries Clinical Trials Partnership (**EDCTP** www.edctp.org), The Hague, The Netherlands (Jun 2015 to May 2022).
- **Vice-Chair of the Global Research Collaboration for Infectious Disease Preparedness** (GloPID-R www.glopid-r.org) (May 2015 to Nov 2020).
- **Founding Board Member of the Coalition for Epidemic Preparedness Innovations** (CEPI www.cepi.net) Oslo, Norway (Nov 2016 to Mar 2018).
- Member of **Oversight Committee** of the **Network for Education and Support in Immunisation** (NESI www.nesi.be) at University of Antwerp, Belgium (2014 to Oct 2019).
- **Board of Directors** of the **Poliomyelitis Research Foundation NPC** (www.prf.ac.za) (Apr 2018 to May 2022)
- **Founding Board member** of the **South African Health Products Regulatory Authority (SAHPRA - New Regulator of Medicines, Medical Devices and IVDs)** (Oct 2017 to Sep 2021)
- **Board member** of the **South African Veterinary Council** - category of non-veterinary representative (Aug 2004 to Jun 2010).
- **Non-Executive Director**, Clinical Research Centres SA (Pty) Ltd (now Synexus Clinical Research SA), (Nov 2002 - Mar 2005).

MINISTERIAL AND RELATED COMMITTEES (2001 to present)

- Sep 2020 to Feb 2022: **Ministerial Advisory Committee on Covid-19 Vaccines** (Ministry of Health)
- Jan 2012 to present: Member **National Advisory Group on Immunisation (NAGI)** (Ministry of Health)
- Apr 2006 to Jan 2018: **Chairperson** of the **South African National Task Force (NTF)** for Laboratory Containment of Wild Poliovirus and Potentially Infectious Materials (Ministry of Health); **NTF Member** from 1 Feb 2018 to present.
- Jul 2001 to Jan 2018: Member of the **National Certification Committee (NCC)** for Certification of Polio Eradication in South Africa, (Ministry of Health)
- Jan 2012 to Apr 2015: Previous member of the **Committee for Medical Science, Medical and Dental Professions Board, Health Professions Council of South Africa** (Ministry of Health)
- April 2001 to 2010: Previous member of the **Biological Medicines Committee of the Medicines Control Council** (Ministry of Health)

EXPERT AND PROFESSIONAL COMMITTEES (2008 to present)

- Appointed to the following committees of the **World Health Organisation (WHO)**
 - Member of the Scientific Advisory Group of Experts (SAGE) Working Group on Polio (Oct 2016 to Sep 2019)
 - Member of the SAGE Working Group on Hepatitis A (Mar 2010 to Feb 2012)

- Temporary Technical Advisor for “Consultation on Best Practices and Tools for Documenting the Impact of Hepatitis B Immunisation”, Hong Kong, 29-30 Apr 2010.
- Previous member of Clinical Governance Committee of the **South African National Blood Service (SANBS)** (Nov 2009 to Oct 2014)

SERVICE TO ACADEMIC INSTITUTIONS, FUNDING & SCIENCE AGENCIES

- **Co-Chair** of the Life Sciences sub-group of the **African-European Radio Astronomy Science Platform (AERAP)** (June 2020 to July 2021).
- **Expert Panel Member** for adjudication of the **National Science and Technology Forum (NSTF)** Annual Awards (2016 to present).
- **Scientific Advisory Panel**, Poliomyelitis Research Foundation (2006 to 2017)
- MEDUNSA / University of Limpopo Medunsa Campus / Sefako Makgatho Health Sciences University **Coordinator for the Flemish Inter-University (VLIR)** Institutional University Cooperation Project between University of Limpopo / Sefako Makgatho Health Sciences University and Flemish Universities (April 2008 to 2017).
- **External Examiner** (postgraduate students) to number of academic institutions (North-West University, University of Cape Town, University of Kwazulu-Natal, University of Pretoria, University of Venda, University of Witwatersrand, University of Ghana, University of Nairobi and University of Antwerp)
- **Scientific Reviewer** of Research Proposals from funding agencies such as WHO, Wellcome Trust (UK), SAMRC, National Research Foundation and Poliomyelitis Research Foundation.
- **Journal Reviewer** of international and national scientific journals (Archives of Virology; International Journal of Epidemiology; Journal of Medical Virology; Journal of Virological Methods; PLoS ONE; Southern African Journal of Epidemiology and Infection; Water SA; South African Medical Journal; South African Journal of Science; Vaccine)
- Member of University of Limpopo structures as per University Statute for the Heads of Department (2005 to Sep 2014) including;
 - **Deputy Chairperson of Higher Degrees Committee** (April 2010 to Sep 2014)
 - Member of the **Higher Degrees Committee** (2006 to Sep 2014)
 - Member of **Medunsa Campus Ethics Committee (MREC)** (2010 to Dec 2013)

RESEARCH PROFILE AND FOCUS AREAS

- Elected Member of **Academy of Science of South Africa (ASSAf)** (since Oct 2016)
- Current NRF rating: **C1** (01 Jan 2017 to 31 Dec 2022)
- **H-index** (average of Google Scholar, Scopus and Web of Science) is **23** (as at 22 Sep 2020)
- Over the years, my research focused on three broad areas:
 - a) prevention and control of human viral diseases to reduce infant and child mortality to contribute to MDG4 (now SDG3)
 - b) strengthening immunisation services and practices, and
 - c) basic science to inform new or improved diagnostics, vaccines and antivirals.

SUPERVISION OF STUDENTS / HUMAN RESOURCE CAPACITY DEVELOPMENT

(List available – refer to CV on Research Outputs)

- PhD: 11 in total, 11 graduated
- MSc and MPH: 28 in total; 24 graduated
- BSc Honours: 18 in total; 14 graduated
- BSc students: 9 in total; 9 graduated

PUBLICATIONS AND OTHER RESEARCH OUTPUTS

(List available – refer to CV on Research Outputs)

- Peer-reviewed, original full papers: 81
- Peer-reviewed, scientific letters: 7
- Review articles: 9
- Journal Editions: 4
- Book chapters: 2
- Editorials / Commentaries: 4

SCIENCE PROMOTION

- Involved in Radio-Talk Shows and TV Programmes on Health Matters and benefits of vaccination as well as Health Research and benefits thereof
- Involved and presented at various public health campaigns to increase awareness of immunisation programmes organised by the National Department of Health or Provincial Departments of Health
- Participate in various panel scientific discussions

TEACHING AND OTHER SCHOLARLY ACTIVITIES

- Previously Head of the Department of Virology training programmes (2005 to 2014)
- Hands on teaching experience in the following courses:
 - Medical Microbiology for medicine (MBChB III) and dentistry (BDS III) (2000 to 2008)
 - Microbial genetics to MBChB III and BDS III students (2000 to 2008)
 - Medical Virology to Honours, MSc, MMed and PhD students (1997 to 2014)
 - Molecular Biology to Honours, MSc, MMed and PhD students (1998 to 2014)
 - Research Methodology Course (Inter-Faculty course) (1997 to 2015)
- Faculty member at Vaccinology Courses offered by Charite Institute of Tropical Medicine and International Health (Germany), University of Antwerp (Belgium) and WHO AFRO Regional Vaccinology Courses for Anglophone countries (2005 to 2015).

ACADEMIC RECOGNITION AND RESEARCH AWARDS

- 2005-2014: Provided strategic leadership as the Academic Head of the Department of Virology and received a trophy for eight (8) consecutive years for being the **“Department Most Committed to Research Day”** at the University of Limpopo Academic Days, Medunsa campus (2005 to 2014).
- 2009: Prize for the **“Researcher with the Largest External Grants in the School of Pathology”** at the 5th University of Limpopo Academic Day, 13th August 2009.
- 2008: **Second Prize for best paper presentation by staff** entitled “Burden of HBV Co-Infection in HIV-Positive Patients Enrolling for Antiretroviral (ARV) Therapy at Dr George Mukhari Hospital, Pretoria”. 4th Academic Day, University of Limpopo, 13-14 August 2008.
- 2007: Prize for the **Established Researcher within the School of Pathology** at the 3rd University of Limpopo Academic Day, 15 - 16 August 2007.
- 2006: Prize for the **Best Poster in the section of Vaccines** entitled “Immunity to hepatitis B vaccine in asymptomatic HIV-positive South African babies. 12th International Symposium on Viral Hepatitis and Liver Disease, Paris, France 1-5 July 2006.
- 2004: Recipient of **HIV DART 2004 Poster Award**, 4th HIV DART 2004: Frontiers in Drug Development for Antiretroviral Therapies. Montego Bay, **JAMAICA**, 12-16 Dec 2004.

- 2004: Recipient of **PATH SPLASH 2004 Poster Award**, 44th Annual Congress of the Federation of South African Societies of Pathology, **STELLENBOSCH**, July 2004.
- 2003: Listed in **Marquis Who's Who in Medicine and Healthcare**, 2003 - 2004 Edition
- 2003: Recipient of **2002 Senate Award for Research Excellence** (Category: Best Research output, non-clinical), Faculty of Medicine, MEDUNSA.
- 2002: Recipient of **Research Excellence Award** in the category of basic science for young researcher in the Faculty of Medicine, MEDUNSA.
- 2000: Awarded **Bronze Medal** for an outstanding publication by the South African Society of Microbiology.
- 1998: Awarded **First Prize for Best Oral Presentation** at the mini-congress of the Society of Medical Laboratory Technologists of South Africa, MEDUNSA.
- 1997: Recipient of **Research Excellence Award** in the category of basic science for young researcher in the Faculty of Medicine, MEDUNSA.
- 1994: Awarded **Gencor S₂ A₃ Bronze Medal** by the South African Association for the Advancement of Science for the best MSc dissertation, MEDUNSA.
- 1994: Awarded **First Prize in Poster Presentation**, 15th Academic Day, MEDUNSA

MEMBERSHIP TO PROFESSIONAL ASSOCIATIONS

- Previous member of South African Society of Microbiology (SASM); Infectious Diseases of Southern Africa (IDSSA) & European Association for the Study of Liver (EASL)

PRETORIA 12 November 2021

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Jeffrey MPHAHLELE, PhD

Jeffrey MPHAHLELE is the Deputy Vice Chancellor for Research and Innovation at the North-West University since July 2021. He is a medical scientist with a PhD in Medical Virology. He is an elected member of Academy of Science of South Africa (ASSAf) and National Research Foundation C1 rated researcher. His research publications cover epidemiology, vaccination control of infectious diseases and strengthening immunisation services and policies. He recently served as the Vice President for Research at the South African Medical Research Council (SAMRC), the position he occupied since October 2014. Prior joining the SAMRC, he was a full-time academic at MEDUNSA (later University of Limpopo Medunsa Campus) in various capacities: Professor and Academic Chair of the Department of Virology and National Health Laboratory Service (2005 to Sep 2014) and Co-Director of the SAMRC/Diarrhoeal Pathogens Research Unit, which is a WHO Rotavirus Regional Reference Laboratory for Africa (2010 to March 2018). He trained, supervised and mentored several Post-Doctoral, Doctoral and Master students as contribution towards developing the next generation of scientists.

Currently, he serves as the Vice Chairperson of the National Health Laboratory Service (NHLS) Board (www.nhls.ac.za) (since June 2020). Previously he served on the following governance structures: Vice Chairperson of The European and Developing Countries Clinical Trials Partnership Association Board (EDCTP www.edctp.org) (May 2019 to May 2022); Vice-Chair of the Global Research Collaboration for Infectious Disease Preparedness (GloPID-R www.glopid-r.org) (May 2015 to Nov 2020); Founding Board Member of the Coalition for Epidemic Preparedness Innovations (CEPI www.cepi.net) Oslo, Norway (Nov 2016 to Mar 2018); Founding Board member of the South African Health Products Regulatory Authority (SAHPRA) (Oct 2017 to Sep 2021); Board member of the South African Veterinary Council - category of non-veterinary representative (Aug 2004 to Jun 2010); member of Board of Directors of the Poliomyelitis Research Foundation NPC (www.prf.ac.za) (Apr 2018 to May 2022); member of Oversight Committee of the Network for Education and Support in Immunisation (NESI www.nesi.be) at University of Antwerp, Belgium (2014 to Oct 2019); and Non-Executive Director, Clinical Research Centres SA (Pty) Ltd (now Synexus Clinical Research SA), (Nov 2002 - Mar 2005).

Jeffrey is also part of Ministerial and Scientific committees: WHO Scientific Advisory Group of Experts (SAGE) Polio Working Group, South African NITAG (National Advisory Group on Immunisation - NAGI) and South

African National Task Force (NTF) for Laboratory Containment of Poliovirus, former member of Ministerial Advisory Committee on Covid-19 vaccines and former member of the Committee for Medical Science Medical and Dental Professions Board, Health Professions Council of South Africa.