

ABBREVIATED CURRICULUM VITAE:

HANS STRIJDOM

PERSONAL INFORMATION:

- Full names: Johannes Gerhardus (Hans) Strijdom
- Address: Cape Town, South Africa
- Date of birth: 18 November 1968

CURRENT POSITIONS:

- Professor and Head: Division of Medical Physiology, Faculty of Medicine and Health Sciences, Stellenbosch University
- Deputy Director: Centre for Cardio-metabolic Research in Africa (CARMA), Stellenbosch University
- Senior Lecturer: Undergraduate and postgraduate human physiology (MBCChB; BSc Physio; BSc Dietetics; B Nursing; Hons BSc; MMed / MChD)

PROFESSIONAL CAREER, EMPLOYMENT HISTORY:

- **November 2021 – Present**: Head: Division of Medical Physiology, Faculty of Medicine and Health Sciences, Stellenbosch University
- **July 2020 - Present**: Professor: Division of Medical Physiology, Faculty of Medicine and Health Sciences, Stellenbosch University
- **2010-2020**: Associate Professor: Division of Medical Physiology, Faculty of Medicine and Health Sciences, Stellenbosch University
- **2007-2010**: Senior Lecturer / Registrar: Division of Medical Physiology, Faculty of Medicine and Health Sciences, Stellenbosch University
- **1998-2007**: Lecturer / Registrar: Division of Medical Physiology, Faculty of Medicine and Health Sciences, Stellenbosch University
- **1997-1998**: Medical Officer: Karl Bremer Hospital, Bellville, Cape Town
- **1996-1997**: Medical Officer at various hospitals in the United Kingdom
- **1995**: Medical Intern: Ngwelezane Hospital, Empangeni, Kwazulu-Natal

TERTIARY EDUCATIONAL QUALIFICATIONS:

- **2006**: PhD (Medical Physiology) [Stellenbosch University]
- **1994**: M.B.Ch.B. [Stellenbosch University]
- **1991**: B.Med.Sc (Majors: Physiology and Pharmacology) [Stellenbosch University]

HONOURS, AWARDS, PRIZES, AND SCIENTIFIC, TEACHING AND SCHOLARLY RECOGNITION:

- Winner: Annual Student Academic Day for Best Oral Presentation, Faculty of Health Sciences, Tygerberg, 1991
- Winner: Best Poster for Basic Health Sciences Session, South African Heart Association Annual Conference: Stellenbosch (2001) and Wild Coast Sun (2008)
- First Year Academy Prestige Evening award of recognition for being selected as outstanding lecturer by top first year achievers in the Faculty of Medicine and Health Sciences: 2008, 2011, 2014, 2015, 2016, 2017, 2018, 2020, 2021, 2022

- Rector's award for General Performance (teaching, research and service): 2011, 2013, 2015
- Nominated for the South African Association of Health Educationalists Distinguished Educator and Research Award: 2014, 2015
- SA Heart Association / Louis Vogelpoel travel award: 2018
- National Research Foundation of South Africa (NRF): C2 rated scientist: 2021

RESEARCH

RESEARCH: EXPERTISE, INTERESTS, FOCUS AREAS AND FUNDING

- Cardiovascular physiology, pathophysiology, risk factors and disease
- Vascular biology, endothelial function and dysfunction
- Emerging cardiovascular risk factors (HIV-infection, antiretroviral treatment, air pollution)
- Experienced researcher in *in vitro*, animal and human / epidemiological studies
- Experienced in research project management
- Total research grant income (as lead or co-lead) since 2004: ~ZAR 17.2-million.

RESEARCH: LEADERSHIP, MANAGEMENT, SERVICE AND RECOGNITION

- Head: Cardiovascular Research Group, Division of Medical Physiology, Faculty of Medicine and Health Sciences: 2006 - 2019
- Co-founder and Deputy Director: Centre for Cardio-metabolic Research in Africa (CARMA), Faculty of Medicine and Health Sciences: 2019 - present
- International Coordinator and Principal Investigator: EndoAfrica Research Consortium (RSA, Belgium and Austria): 2014-2020 (EU FP7 ERAfrica Programme)
- Principal Investigator: MITO-SAKen Study (NIH R21 grant 2023-2024)
- Chair of Annual Research Day Organizing Committee, Faculty of Medicine and Health Sciences: 2007 and 2008
- Chair of the local organizing committee of the Annual Congress of the Physiology Society of Southern Africa (PSSA); Stellenbosch: September 2009
- Vice-President of the PSSA Council: 2009
- Member of PSSA Council: 2009-2013 and Secretary / Treasurer: 2010-2013
- Co-Founder of the Southern Africa Society for Cardiovascular Research (SASCAR) and member of Executive Committee: 2009-2014
- Guest Associate Editor and Research Topic Editor for *Frontiers in Physiology*: 2016 – 2019, Editor for *PLOS One*: 2016.
- Invited chair of sessions at several meetings of the Physiology Society of Southern Africa (PSSA) and SA Heart Association since 2004
- Chair of scientific session at the International Society for Heart Research – European Society for Cardiology Meeting (Frontiers in Cardiovascular Biology); Barcelona: July 2014
- Member of judging panels for best presentations at several meetings of the PSSA and SA Heart Association since 2004
- Invited reviewer for various SA Medical Research Council, SA National Research Foundation, Austrian Science Fund and UK MRC research grant applications since 2004
- Invited reviewer for several international, high impact scientific journals, including: *Molecular and Cellular Biochemistry*, *Life Sciences*, *J Histochem Cytochem*, *Renal*

Failure, Cardiovascular Research, Circulation, Cardiovascular Journal of Africa, Journal of Cellular and Molecular Medicine, PLOS One and others.

- Stellenbosch University Rector's award for Outstanding General Performance (teaching, research and service): 2011, 2013, 2015
- Member: Local Organizing Committee: Nobel in Africa – STIAS Nobel Symposia Series: 2020 – present.

RESEARCH OUTPUTS SUMMARY:

- 54 peer-reviewed published articles
- 2 peer-reviewed book chapters
- 80+ conference papers, of which 50 published as peer-reviewed abstracts; invited speaker at 12 international conferences and scientific meetings
- PhD Supervision / co-supervision: 17 candidates (14 graduated); MSc Supervision / co-supervision: 18 candidates (16 graduated).
- Host and supervisor: 7 post-doctoral fellows since 2015
- Thesis / dissertation examination: 30 MSc theses and 16 PhD dissertations

RESEARCH GRANTS AND FUNDING:

- Total research funding of ≈ R30-million received as principal or co-investigator since 2004

	Description	Role	Year	Amount awarded
1.	MRC self-initiated research grant	Principal Investigator	2004-2006	R 120,000.00
2.	Cardiovascular Disease Research Fund	Co-investigator	2005-2007	R 160,000.00
3.	MRC self-initiated research grant	Principal Investigator	2007-2008	R 238,000.00
4.	NRF Focus Area Research grant	Principal Investigator	2007	R 151,000.00
5.	NRF Institutional Research Development Programme	Co-investigator	2009-2013	R 1,071,666.67
6.	MRC self-initiated research grant	Principal Investigator	2010-2012	R 390,000.00
7.	FINLO Medical Education grant	Co-investigator	2010	R 10,000.00
8.	NRF Competitive Support for Unrated Researchers grant	Principal Investigator	2014-2016	R 993,000.00
9.	European Union FP 7 ERAfrica Grant (Interfacing Challenges)	Principal Investigator	2014-2017	EUR 564,324.00
10.	Wellcome Trust Nutrition and Dietetics Grant	Co-investigator	2006	GBP 30,000.00
11.	Fondation Gustave et Simone Prévot, Switzerland	Co-investigator	2017-2019	CHF 40,300.00
12.	Fondation Ernst et Lucie Schmidheiny, Switzerland	Co-investigator	2017-2019	CHF 15,000.00
13.	Academic Consortium (AC) 21 Special Project Fund, Nagoya, Japan	Co-investigator	2020-2021	USD 9,533.00
14.	Erasmus+ KA 107 Call 2020 Award (Student and Staff Research exchange / mobility)	Co-lead	2020-2023	EUR 17,280.00
15.	NIH R21 Grant; Award Number: 1R21TW012185-01	Co-investigator	2022-2023	USD 302,336.00
16.	NIH / Fogarty International Centre R21 Grant; Grant Award Number: 1R21TW012358-01	Principal Investigator	2023-2024	USD 298,750.00

17.	NRF Support for Rated Researchers Grant; Award Number: SRUG2204234500	Principal Investigator	2023-2025	R 1,828,000.00
18.	Faculty of Medicine and Health Sciences High Level Research Assistant award	Host	2010-2012	R 100,000.00 p.a.
19.	Faculty of Medicine and Health Sciences Research Assistant award	Host	2014-2018	R 100,000.00 p.a.
20.	Faculty of Medicine and Health Sciences post-doctoral fellowship award	Host	2016-2018	R 180,000.00 p.a.
21.	Faculty of Medicine and Health Sciences post-doctoral fellowship award	Host	2019-2021	R 200,000.00 p.a.

PROFESSIONAL AND SCIENTIFIC SOCIETY MEMBERSHIP:

- Registered as Medical Practitioner with the Health Professionals Council of South Africa (HPCSA)
- Member: South African Heart Association
- Member: South African Society for Cardiovascular Research
- Member: Physiology Society of Southern Africa
- Member: European Society of Cardiology – Working Group on Cellular Biology of the Heart
- Member: European Society of Cardiology – Working Group on Atherosclerosis and Vascular Biology