

CURRICULUM VITAE:

HANS STRIJDOM

PERSONAL INFORMATION:

- Address: Cape Town, South Africa
- Date of birth: 18 November 1968
- Citizenship: South African

CURRENT POSITIONS:

- Professor: Division of Medical Physiology, Faculty of Medicine and Health Sciences, Stellenbosch University
- Head: Division of Medical Physiology, Faculty of Medicine and Health Sciences, Stellenbosch University (2019-present)
- Head: Cardiovascular Research Group, Division of Medical Physiology, Faculty of Medicine and Health Sciences, Stellenbosch University
- Deputy Director: Centre for Cardio-metabolic Research in Africa (CARMA), Stellenbosch University
- Lecturer: Undergraduate and postgraduate human physiology (MBCChB; BSc Physio; BSc Dietetics; B Nursing; Hons BSc; MMed / MChD)

PROFESSIONAL CAREER, EMPLOYMENT HISTORY:

- **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
- 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

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 - present
- 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)
- 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 and 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 and Austrian Science Fund 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

RESEARCH OUTPUTS SUMMARY:

- 44 peer-reviewed published articles; 2 submitted for publication (January 2021)
- 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: 15 candidates (12 graduated).
- Host and supervisor: 6 post-doctoral fellows
- Thesis / dissertation examination: 29 MSc theses and 13 PhD dissertations

RESEARCH GRANTS AND FUNDING:

| | Description | Role | Year | Amount awarded |
|-----|---|------------------------|-----------|-------------------|
| 1. | MRC self-initiated research grant | Principal Investigator | 2004-2006 | ZAR 120,000.00 |
| 2. | Cardiovascular Disease Research Fund | Co-investigator | 2005-2007 | ZAR 160,000.00 |
| 3. | MRC self-initiated research grant | Principal Investigator | 2007-2008 | ZAR 238,000.00 |
| 4. | NRF Focus Area Research grant | Principal Investigator | 2007 | ZAR 151,000.00 |
| 5. | NRF Institutional Research Development Programme | Co-investigator | 2009-2013 | ZAR 1,071,666.67 |
| 6. | MRC self-initiated research grant | Principal Investigator | 2010-2012 | ZAR 390,000.00 |
| 7. | FINLO Medical Education grant | Co-investigator | 2010 | ZAR 10,000.00 |
| 8. | NRF Competitive Support for Unrated Researchers grant | Principal Investigator | 2014-2016 | ZAR 993,000.00 |
| 9. | European Union FP 7 ERAfrica Grant (Interfacing Challenges) | Principal Investigator | 2014-2020 | EUR 564,324.00 |
| 10. | Wellcome Trust Nutrition and Dietetics Grant | Co-investigator | 2016 | 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. | SA Heart Travel Grant | Primary recipient | 2018 | ZAR 20,000.00 |
| 14. | Academic Consortium 21 Special Project Fund (Japan): Mobility and Symposium Grant | Co-investigator | 2020-2021 | USD 9,533.00 |
| 15. | Erasmus+ KA 107 Call 2020 Award | Co-lead | 2020-2023 | EUR 17,280.00 |
| 16. | Faculty of Medicine and Health Sciences High Level Research Assistant award | Host | 2010-2012 | R 100,000.00 p.a. |
| 17. | Faculty of Medicine and Health Sciences Research Assistant award | Host | 2014-2018 | R 100,000.00 p.a. |
| 18. | Faculty of Medicine and Health Sciences post-doctoral fellowship award | Host | 2016-2018 | R 180,000.00 p.a. |
| 19. | 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

EXTRACURRICULAR ACTIVITIES AND LEADERSHIP:

- Chair of the International Board of *Youth for Understanding*, a global network of student exchange organisations represented in more than 50 countries, with head-offices in Washington DC and Brussels. Member of the International Board 2017-2019 and re-elected for another term: 2020-2022. Website: www.yfu.org
- Volunteer and Chair of the Board of Youth for Understanding South Africa until 2016. Currently Vice-Chair and Treasurer of the Board. Website: www.yfu.org.za