

CURRICULUM VITAE OF DR. GERALD JEROME MAARMAN

PERSONAL INFORMATION

- Date of Birth: 24th of April 1984
- Email address: gmaarman@sun.ac.za

EMPLOYMENT HISTORY

- 2019- present: Senior Lecturer – Division of Medical Physiology (**NRF Y-2 Rated researcher**)
- 2017-2019: Research Manager - Desmond Tutu TB Centre (DTTC) Stellenbosch University
- 2014-2016: Postdoctoral research fellow - University of Cape Town.
- 2011-2012: Visiting and training researcher - Medizinische Hochschule Hannover/Justus-Leibig.

EDUCATION HISTORY

PGDip: Enrolled for a postgraduate diploma in Theology (SU)
Currently enrolled: 2022

Ph.D. (Medicine)

Year received: 2011-2014
University of Cape Town

MSc. (Medical Physiology)

Year received: 2010
University of Stellenbosch

BSc. Hons. (Medical Physiology)

Year received: 2007
University of Stellenbosch

BSc. (Functional Human Biology)

Year received: 2007
University of Stellenbosch

Matric (National Certificate, Grade 12)

Year received: 2002
Eersterivier Secondary School

UNDERGRADUATE TEACHING

- Molecular biology (Life Forms 111)
 - MBChB, BSc Physiotherapy, BSc Dietetics – phase 1.
 - Phase I Class size: ~ 400
- Cardiovascular Physiology (Fundamentals of Physiology 178)
 - B. Occ. Ther. first year
 - Class size: 73

- Physiology of the Cardiovascular System (271)
 - MBChB second year
 - Class size: ~ 300
- Gastro-intestinal tract Physiology (Allied Health Sciences 278)
 - 2nd year BSc Physiotherapy, BSc Dietetics and Bachelor of Nursing and Midwifery students
 - Class size: 136
- Musculoskeletal Physiology (371)
 - MBChB third year
 - Class size: 328
- Immunology (Cellular Physiology F344)
 - F344 third year
 - Phase I Class size: 186
- Respiratory Physiology (271)
 - MBChB second year
 - Phase I Class size: 300

POSTGRADUATE TEACHING

- Cardiopulmonary diseases and research, and academic writing
 - Honours BSc. Med. Sci students.
 - Class size: 15-17 students (per year)
- Implement administrative duties (marking, reviewing of assessments, reports).
- Examine MMed and BCh.D. students, focusing on Cardiovascular Physiology.
- Coordinator of BSc. Honours program in Medical Physiology (2018 – currently).

INSTITUTIONAL INVOLVEMENT AND SOCIAL RESPONSIVENESS

- Member of the MBChB selection panel.
- Member of the FMHS Dean's Advisory Committee for Transformation (DACT).
- Equality Champion (FMHS).
- Division of Medical Physiology Social Impact member.
- Youth & community development agent (SAICA, Scimathus, SU, Local churches, and NPOs).
- Recent member of At Heart (Stellenbosch NPO) and SCAN.

CURRICULUM DEVELOPMENT

- A member of the Renewed Curriculum Project Committee (RCPC), Faculty of Medicine & Health Sciences. Play a part in the development and implementation of a new curriculum for the medical school (all undergraduate degree programs).
- Module co-lead for the Cardiovascular System and Gastro-intestinal System (Form and Function).
- Module co-lead for Health and Wellness module.

POSTDOCTORAL RESEARCH FELLOW (2022-2023)

- Dr. Olakunle Sanni

STUDENT SUPERVISION

2018- present - (co-supervisor)

Ph.D.

Miss. Melisse Erasmus

Registration: January 2018 - South African Medical Research Council

Anticipated graduation date: December 2021

2018-present - (co-supervisor)

Ph.D.

Miss. Siddiqah George

Registration: January 2015 - University of Cape Town

Anticipated graduation date: December 2021

2022 (Main supervisor)

MSc.

Miss. Carmen Payne

Registration: January 2021

University of Stellenbosch

Anticipated graduation date: December 2023

2022 (Main supervisor)

MSc.

Miss Kgatla Thato Mmathapelo

Registration: January 2021

University of Stellenbosch

Anticipated graduation date: December 2024

2022 (Main supervisor)

MSc.

Miss Amy Pretorius

Registration: June 2022

University of Stellenbosch

Anticipated graduation date: December 2024

2022 (Main supervisor)

MSc.

Mr. Chrisstoffel Jumaar

Registration: June 2022

University of Stellenbosch

Anticipated graduation date: December 2024

2022 (Main supervisor)

MSc.

Mr. Garth Wentley

Registration: June 2022

University of Stellenbosch

Anticipated graduation date: December 2024

2022 (Main supervisor)

MSc. Hons.

Dr. Steve Jacobs (Special needs student)

Registration: January 2021

University of Stellenbosch

Anticipated graduation date: December 2021

2022 (Main supervisor)

MSc.

Miss Sara Shaboodien

Registration: January 2022

University of Stellenbosch

Anticipated graduation date: December 2024

2022 (Co-supervisor) MSc.

Miss Caitlin Odendaal

Registration: January 2021

University of Stellenbosch

Anticipated graduation date: December 2024

2022 (Main supervisor)

BSc. Hons.

Miss Dinisiha Giga

Registration: January 2022

University of Stellenbosch

Anticipated graduation date: December 2022

2021 (Main supervisor)

BSc. Hons.

Dr. Steve Jacobs (Special needs student)

Registration: January 2021

University of Stellenbosch

Graduated: December 2021

2021 (Main supervisor)

BSc. Hons.

Miss Cornel Vlok

Registration: January 2021

University of Stellenbosch

Graduated: December 2021

2021 (Co-supervisor)

BSc. Hons.

Miss Erin Robson

Registration: January 2021

University of Stellenbosch

Anticipated graduation date: April 2022

2021 (Main supervisor)

BSc. Hons.

Miss Sara Shaboodien

Registration: January 2021

University of Stellenbosch

Graduated: December 2021

2019 (Co-supervisor)

MSc.

Miss. Pamela Sithelo

Registration: January 2018

Graduated: March 2021

2015 - (Graduated)

Hons.BSc.Med.Sci. - (co-supervisor)

Miss. Brittany Andrew

Registration: January 2015 - University of Cape Town

Graduated: December 2015

2015 - (Graduated)

Hons.BSc.Med.Sci. - (co-supervisor)

Miss. Prisca Osiki

Registration: January 2015 - University of Cape Town

Graduated: December 2015

EXTERNAL DUTIES

- External examiner - 4x PhD dissertations
 - External examiner 5x MSc dissertations
 - Invited peer-reviewer to close to 12 journals (national & international)
 - External moderator - Exit level module FLGX 329 (2nd semester 2021), Cardiovascular Physiology applications, of the North-West University for 2021.
 - Co-Editor – *Frontiers in Endocrinology* 2021 (impact factor 5.555)
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SUCCESSFUL RESEARCH FUNDING

- Departmental post-doc funding: 200 000 (per year, 2-year period).
- Research assistant funding: 30 000 (once off).
- NRF support for Y-rated researchers: R100 000 (per year, 3 year-period).
- Technical assistance funding SU: 30 000 (once off).
- SA-MRC SIR: R600 000 (three-year period).
- SARC grant: R842 406 (two-year period).
- Early Career Research Award – SU, Faculty of Medicine & Health Sciences = R 112 463 (once off).
- NRF Equipment Related Travel: R135 000 (once off).
- Harry Crossley Project Funding: R31 500 (once off).
- NRF incentive funding: R120 000 per annum (two years).
- Divisional research grant: R50 000 (once off).
- FMHS equipment grant: R784 000 (once off).
- FMHS equipment grant: R500 000 (once off).

OUTCOME PENDING – 2022/2023

- Wellcome Discovery Award – R36 million.
- MRC-UK Applied Global Health – R56 million.
- Pulmonary Vascular Research Institute PVRI research grant: R615 000.
- South African Rooibos Council: R1, 24 million
- SA MRC SIR: R500 000 (per annum, for 3 years).

INTERNATIONAL COLLABORATORS – 2022/2023

- Prof. Ghazwan Butrous (Imperial College of London, UK).
- Prof. Yong-Xiao Wang (Albany Medical Center, USA).
- Prof. Russel J. Reiter (San Antonio, Texas, USA).

FORMER INTERNATIONAL COLLABORATORS – 2011-2016

- Prof. Denise Hilfiker-Kleiner (Hannover, Germany).
- Prof. Ralph Schermuly (Giessen, Germany).
- Prof. Rainer Schulz (Essen, Germany).

NATIONAL COLLABORATORS – 2007-2022

- Prof. Brian Allwood (Division of Pulmonology, Stellenbosch University).
- Prof. Sandrine Lecour (Cape Heart Institute, University of Cape Town).
- Prof. Karen Sliwa-Hahnle (Cape Heart Institute, University of Cape Town).
- Prof. Friedrich Thienemann (Cape Heart Institute, University of Cape Town).
- Prof. Hans Strijdom (CARMA, Stellenbosch University).
- Prof. Rabia Johnson (MRC SA, BRIP).
- Prof. Barbara Huisamen (CARMA, Stellenbosch University).
- Prof. Faadiel Essop (CARMA, Stellenbosch University).

PUBLISHED PAPERS

1. **MAARMAN G**, Reviewing the suitability of mitochondrial transplantation as therapeutic approach for pulmonary hypertension in the era of personalised medicine, American Journal of Lung and Cellular Physiology, February 2022.
2. **MAARMAN G**, Basic sciences in higher education, and teaching approaches in the context of 21st-century advances, South African Journal of Higher Education, February 2022. ACCEPTED FOR PUBLICATION, IN PRODUCTION.
3. Carolus D, Elijah S, Govender S, Hamza M, Howard E, Kotze A, Leeke R, Leite J, Oosthuizen A, Orgovanyi E, Payne C, Sanchez S, Williams C, and **MAARMAN G**, Pulmonary hypertension in developing countries: Limiting factors in time to diagnosis, specialised medications and contextualised recommendations, African Journal of Thoracic and Critical Care Medicine, https://hdl.handle.net/10520/ejc-m_ajtccm_v28_n1_a9
4. **MAARMAN, G.J.**, Lamont-Mbawuli K.T Adolescents in the South African context: The roles of the church, spirituality, and mentorship programmes in promoting motivation to overcome disadvantage. African Journal of Social Work, 2021. 11(2): p. 85-95.
5. **MAARMAN, G.J** and S. Lecour, Melatonin against pulmonary arterial hypertension: is it ready for testing in patients? Cardiovasc J Afr, 2021. 32(2): p. 111-112.
6. **MAARMAN, G.J** and S. Lecour, Melatonin against pulmonary arterial hypertension: is it ready for testing in patients? Cardiovascular Journal of Africa, 2021. 32(2): p. 111-112.
7. **MAARMAN, G.J.** Could melatonin be an adjunct therapy for post-TB lung disease? Melatonin Research, 2021. 4(3): p. 432-441.
8. Bell-Mandla, N.F., **MAARMAN, G.J.** et al., Improving Retention of Community-recruited Participants in HIV Prevention Research Through Saturday Household Visits; Findings from the HPTN 071 (PopART) Study in South Africa. BMC Medical Research Methodology, 2021: p. 1-17.
9. **MAARMAN, G.J.** J. Shaw, and B. Allwood, Pulmonary hypertension in majority countries: opportunities amidst challenges. Curr Opin Pulm Med, 2020. 26(5): p. 373-383.
10. **MAARMAN, G.J.** G. Chakafana, and K. Sliwa, World Heart Day: a World Heart Federation communique on the future of basic sciences and translational medicine in global cardiovascular research. Am J Physiol Lung Cell Mol Physiol, 2020. 319(3): p. L545-L546.
11. **MAARMAN, G.J.** A philosophical perspective on pulmonary hypertension: What is 'rare'? South African Journal of Science, 2020. 116: p. 1-1.
12. **MAARMAN, G.J.** Making a case for metallothioneins conferring cardioprotection in pulmonary hypertension. Med Hypotheses, 2020. 137: p. 109572.
13. Eshleman, S.H., **MAARMAN, G.J.** et al., Determination of HIV status and identification of incident HIV infections in a large, community-randomized trial: HPTN 071 (PopART). J Int AIDS Soc, 2020. 23(2): p. e25452.

14. **MAARMAN, G.J.** Pulmonary Hypertension and the Right Ventricle: The Roles of Mitochondrial Reactive Oxygen Species in Causing Further Right Ventricular Mitochondrial Changes, in *Oxidative Stress in Heart Diseases*, S. Chakraborti, et al., Editors. 2019, Springer Singapore: Singapore. p. 539-549.
15. **MAARMAN, G.J.** Chapter 14 - Ischemia-reperfusion injury and the roles of excess fructose: Effects on the heart and other organs, in *Molecular Nutrition: Carbohydrates*, V.B. Patel, Editor. 2019, Academic Press. p. 237-245.
16. **MAARMAN, G.J.** Cardioprotection conferred by rooibos (*Aspalathus linearis*): A mini-review to highlight a potential mechanism of action. *South African Journal of Science*, 2019. 115(7/8): p. 1-4.
17. Sloot, R., **MAARMAN, G.J.**, et al., Variation in HIV prevalence and the population-level effects of antiretroviral therapy in reducing tuberculosis incidence in South Africa. *S Afr Med J*, 2018. 108(8): p. 12370.
18. Nduhirabandi, F. and **MAARMAN, G.J.** Melatonin in Heart Failure: A Promising Therapeutic Strategy? *Molecules*, 2018. 23(7).
19. Madlala, H.P., **MAARMAN, G.J.** Ojuka, E. O., Fructose impairs mitochondrial respiration and substrate utilization in hepatocytes via the enzyme, glutamate oxaloacetate transaminase. *Integrative Food, Nutrition and Metabolism*, 2018. 5: p. 1-5.
20. **MAARMAN, G.J.** and R.J. Reiter, Melatonin therapy for blunt trauma and strenuous exercise: A mechanism involving cytokines, NFkappaB, Akt, MAFBX and MURF-1. *J Sports Sci*, 2018. 36(16): p. 1897-1901.
21. **MAARMAN, G.J.** Pulmonary arterial hypertension and the potential roles of metallothioneins: A focused review. *Life Sci*, 2018. 214: p. 77-83.
22. Kriel, J., **MAARMAN, G.J.**, et al., Coordinated autophagy modulation overcomes glioblastoma chemoresistance through disruption of mitochondrial bioenergetics. *Sci Rep*, 2018. 8(1): p. 10348.
23. Allwood, B.W., **MAARMAN, G.J.**, et al., Post-pulmonary tuberculosis complications in South Africa and a potential link with pulmonary hypertension: Premise for clinical and scientific investigations. *S Afr Med J*, 2018. 108(7): p. 12339.
24. Webster, I., **MAARMAN, G.J.**, et al., Myocardial susceptibility to ischaemia/reperfusion in obesity: a re-evaluation of the effects of age. *BMC Physiol*, 2017. 17(1): p. 3.
25. **MAARMAN, G.J.**, et al., Novel putative pharmacological therapies to protect the right ventricle in pulmonary hypertension: a review of current literature. *Br J Pharmacol*, 2017. 174(7): p. 497-511.
26. **MAARMAN, G.J.**, et al., Review of a causal role of fructose-containing sugars in myocardial susceptibility to ischemia/reperfusion injury. *Nutr Res*, 2017. 42: p. 11-19.
27. **MAARMAN, G.J.** and K. Lamont-Mbawuli, A review of challenges in South African education and possible ways to improve educational outcome as suggested by decades of research. *Africa Education Review*, 2017. 14(3-4): p. 263-289.
28. **MAARMAN, G.J.**, et al., Melatonin protects against uric acid-induced mitochondrial dysfunction, oxidative stress, and triglyceride accumulation in C2C12 myotubes. *J Appl Physiol (1985)*, 2017. 122(4): p. 1003-1010.
29. **MAARMAN, G.J.** Editorial commentary: "Discovery of a Murine Model of clinical pulmonary arterial hypertension: Mission impossible?" by Dai and Zhao. *Trends Cardiovasc Med*, 2017. 27(4): p. 237-238.
30. **MAARMAN, G.J.** Natural Antioxidants as Potential Therapy, and a Promising Role for Melatonin Against Pulmonary Hypertension. *Adv Exp Med Biol*, 2017. 967: p. 161-178.
31. **MAARMAN, G.J.** Mendham, AW, Madlala, HP, Ojuka EO., Excessive consumption of fructose-containing sugars: An emerging threat for developing nations? *Journal of African Association of Physiological Sciences* 2017. 4: p. 71-80.
32. Ojuka, E., **MAARMAN, G.J.**, et al., Measurement of beta-oxidation capacity of biological samples by respirometry: a review of principles and substrates. *Am J Physiol Endocrinol Metab*, 2016. 310(9): p. E715-23.
33. Madlala, H.P., **MAARMAN, G.J.** and E. Ojuka, Uric acid and transforming growth factor in fructose-induced production of reactive oxygen species in skeletal muscle. *Nutr Rev*, 2016. 74(4): p. 259-66.
34. **MAARMAN, G.J.**, et al., Melatonin as a preventive and curative therapy against pulmonary

- hypertension. *J Pineal Res*, 2015. 59(3): p. 343-53.
35. Kelly-Laubscher, R.F., **MAARMAN, G.J.**, et al., Cardiac preconditioning with sphingosine-1-phosphate requires activation of signal transducer and activator of transcription-3. *Cardiovasc J Afr*, 2014. 25(3): p. 118-23.
 36. **MAARMAN, G.J.**, et al., A comprehensive review: the evolution of animal models in pulmonary hypertension research; are we there yet? *Pulm Circ*, 2013. 3(4): p. 739-56.
 37. **MAARMAN, G.J.**, et al., Effect of chronic CPT-1 inhibition on myocardial ischemia-reperfusion injury (I/R) in a model of diet-induced obesity. *Cardiovasc Drugs Ther*, 2012. 26(3): p. 205-16.

UNDER PEER REVIEW

1. **MAARMAN G**, Reiter RJ, Melatonin improves mitochondrial coupling efficiency in myotubes exposed to excess fructose, *South African Journal of Science*, November 2022.
2. **MAARMAN G**, Sithelo P, Blignaut M, Windvogel S, Huisamen B, Marais E, Strijdom H, Rooibos (*Aspalathus linearis*) induced cardioprotection is underpinned by cardiac mitochondrial pathways: what is missing and what is the way forward? *Cardiovascular Journal of Africa*, November 2022.
3. **MAARMAN G**, Butrous G, Lecour S, Wang YX, the intriguing effects of melatonin on mitochondrial bioenergetics and metabolism of healthy C2C12 myotubes, *Physiological Reports*, November 2022.
4. **MAARMAN G**, and Butrous G, the role of the microbiome in pulmonary hypertension: Is melatonin the missing link? *Pulmonary Circulation*, November 2022.
5. EH Louw, N Baines, **G MAARMAN**, M Osman, LN Sigwathi, EM Irusen, CFN Koegelenberg, AF Doubell, SD Nathan, R Channick, BA Allwood, The prevalence of pulmonary hypertension after successful tuberculosis treatment in a community sample of adult patients, *Lancet Global Health*, November 2022
6. Jacobs S, Payne C, Shaboodien S Kgatla T, A Pretorius, C Jumaar, , and Sanni, Reviewing pulmonary hypertension and the potential of “drug” repurposing, and the special role for African medicinal plants and herbs, *Amer J Phys Lung Cell Phys*, November 2022
7. C. Payne, S. Jacobs, S Shaboodien, C. Jumaar, A Pretorius, T Kgatla, O Sanni, and **G MAARMAN**, A pulmonary arterial hypertension diagnostic algorithm for a third-world context: SYMQUICK, *Journal of Investigative Medicine*, November 2022

IN PREPARATION

1. Sithelo P, Shaboodien S, Payne C, Parker S, Vlok C Lopes J, Strijdom H, Marais E and **MAARMAN G**, Rooibos induced cardioprotection in a H9C2 model of angiotension-II induced hypertrophy and apoptosis, November 2022.
2. **MAARMAN G**, Francisco P and Butrous G, Reviewing the roles of the microbiota in the pathogenesis and progression of pulmonary arterial hypertension, November 2022.
3. Shaboodien S, Parker MS, Payne C, Vlok C, and **MAARMAN G**, Fermented *Aspalathus linearis* (Rooibos) extract attenuates isoproterenol-induced H9C2 hypertrophy, November 2022.
4. Payne C, Shaboodien S, Jumaar C, Pretorius A, and **MAARMAN G**, TB sequelae and a link with pulmonary arterial hypertension: a paucity of research and a possible role for mitochondrial bioenergetics, November 2022.
5. Kgatla TM, Sanni O, and **MAARMAN G**, Cardioprotection with herbal plants and the role of mitochondrial function and regulation, November 2022.
6. Shaboodien S and **MAARMAN G**, Proliferation of human pulmonary artery smooth muscle cells in pulmonary hypertension, and natural antioxidants, November 2022.

CONFERENCE OUTPUTS (PEER-REVIEWED)

1. **MAARMAN G**, Shaw J, Allwood, Recent developments in clinical PAH research at Tygerberg Hospital, South Africa: preliminary data, PVRI Annual Congress, Peru, April 2020.
2. **MAARMAN G**, Brittany Andrew, D Blackhurst, Ojuka E, Melatonin recues uric acid-induced mitochondrial impairment and oxidative stress in C2C12 myotubes Khütai Austria, 7-13th July 2016.
3. **MAARMAN G**, Brittany Andrew, D Blackhurst, Ojuka E, Uric acid impairs mitochondrial respiration, elevates triglycerides, reduce aconitase activity: Melatonin counteracts these effects, Experimental

- Biology, San Diego California, United States of America, April 2016.
4. **MAARMAN G**, Sliwa K and Lecour S, Characterisation of mitochondrial function in a model of pulmonary arterial hypertension and right ventricular failure, 5th Annual International Mitochondrial Physiology School, Cape Town, South Africa May 2015.
 5. Marais E, Huisamen B, **MAARMAN G**, Lochner A, Cardiovascular abnormalities in aged, diet- induced obese rats, to be presented at the Physiology Society of Southern Africa, 35th Annual Congress, Johannesburg South Africa 2015.
 6. F. Thienemann, L. Blauwet, R. Burton, K. Tibazarwa, **MAARMAN G**, A. Dzudie, A. O. Mocumbi, K. Sliwa, HIV-associated pulmonary hypertension in a densely populated, peri-urban township in Cape Town, South Africa: clinical presentation and survival, To be presented at the European Society of Cardiology (ESC) Annual meeting in Barcelona Spain, 30th August until 3rd of September 2014.
 7. **MAARMAN G**, Blauwet L, Blackhurst D, Sliwa K and Lecour S, Cardioprotective effect of melatonin on cardiac function and oxidative stress in pulmonary arterial hypertension, International Society of Heart Research, Barcelona, Spain, 2014.
 8. **MAARMAN G**, Blauwet L, Sliwa K and Lecour S, Effects of melatonin treatment on cardiac function in a model of pulmonary arterial hypertension, Pan-African Society of Cardiology Congress, Dakar, Senegal, 2013.
 9. **MAARMAN G**, Blauwet L, Lecour S and Sliwa K, Can melatonin improve cardiac function in pulmonary arterial hypertension? European Society of Cardiology (ESC) annual congress, Amsterdam, Netherlands 2013, European Heart Journal 2013; Vol 34(1):476.
 10. **MAARMAN G**, Blauwet L, Sliwa K, Lecour S, The effects of melatonin on cardiac function in a model of pulmonary arterial hypertension, The World Congress on Paediatric Cardiology & Cardiac Surgery 2013, Cape Town, South Africa.
 11. **MAARMAN G**, Du Toit E.F, The effect of a fatty acid oxidation inhibitor (oxfenicine) on myocardial function and –resistance to ischemia/reperfusion injury in a rodent model of the metabolic syndrome, Physiology Society of Southern Africa, 36th Annual Congress, Johannesburg, South Africa 2009.
 12. **MAARMAN G**, Du Toit E.F, The effect of a PPAR-alpha agonist (K111) on myocardial function and resistance to ischemia/reperfusion injury in a rodent model of the metabolic syndrome, Physiology Society of Southern Africa, 35th Annual Congress, Johannesburg South Africa 2008.
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MEMBERSHIP OF PROFESSIONAL ASSOCIATIONS

FACULTY: Pulmonary Vascular Research Institute (PVRI) Global Taskforce on Pulmonary Infections.

MEMBER: American College of Chest Physicians

MEMBER: American Heart Association

MEMBER: American Thoracic Society

MEMBER: International Society of Heart Research (ISHR) – European Section

MEMBER: European Society of Cardiology (ESC)

MEMBER: South African Society of Cardiovascular Research (SASCAR)

MEMBER: Physiological Society of Southern Africa (PSSA)

MEMBER: South Africa Heart Association (SA-Heart)

MEMBER: International Mitochondrial Physiology Society (MiP-Society)

OTHER ACHIEVEMENTS

NRF- RATING 2018 = Y2 RATING GOOGLE SCHOLAR H-INDEX: 13 (624 citations)

SCOPUS H-INDEX: 11

Nomination for - TW Kambule-NSTF Researcher Award (2022/2023)

Nomination for - TW Kambule-NSTF Emerging Researcher Award (2022/2023)

CERTIFICATE: GOOD CLINICAL PRACTICE (GCP)

- CREDE: University of Stellenbosch

CERTIFICATE: HUMAN SUBJECTS PROTECTION (HSP)

- National Institute of Health (NIH) - USA

GOLDEN KEY INTERNATIONAL HONOUR SOCIETY (MEMBERSHIP NO: 13125379)

- University of Cape Town, South Africa

AWARD OF EXCELLENCE

- 7th Mitochondrial Physiology School - Best oral presentation

CLINICAL EXCELLENCE AWARD

- 15th South African Association Heart Congress – Best oral presentation

AWARD OF EXCELLENCE

- For best presenter in the Basic Sciences – University of Stellenbosch (Academic year day)

CERTIFICATE FOR ACCREDITATION OF CARE, USE AND HANDLING OF LABORATORY ANIMALS

- Department of Medicine, University of Cape Town

CERTIFICATE FOR SCIENTIFIC WRITING SKILLS

- Department of Medicine, University of Stellenbosch

CERTIFICATE FOR BASIC COMMUNICATION SKILLS IN XHOSA

- Department of Medicine, University of Cape Town

CERTIFICATE FOR ENGINEER DRAWINGS (N1 AND N2)

- Scimathus/IMSTUS educational programme, University of Stellenbosch

CERTIFICATE FOR TERMINAL/HO BASED CARE

- Western Cape Department of Health/MEC of Health

CERTIFICATE FOR TRAUMA COUNSELLING

- Western Cape Department of Health/MEC of Health

CERTIFICATE FOR BASIC AND INTERMEDIARY FIRST AID

- Western Cape Department of Health/MEC of Health

CERTIFICATE FOR HIV/AIDS PEER COUNSELLING: Western Cape Department of Health/MEC of Health

REFERENCES

LINE MANAGER - PROF. HANS STRIJDOM

Deputy Director: Centre for Cardio-Metabolic Research in Africa (CARMA).

Acting Head: Division of Medical Physiology, Faculty of Medicine and Health Sciences, Stellenbosch, University.

Work phone: 021 938 9387

Email: jgstr@sun.ac.za

PROF. SANDRINE LECOUR

Deputy Director of the Cape Heart Institute (CHI).

Faculty of Health Sciences, Department of Medicine, University of Cape Town.

Work phone: 021 406 6358

Email: sandrine.lecour@uct.ac.za

PROF. KAREN SLIWA

Deputy Dean of Research, Department of Medicine, Faculty of Health Sciences, UCT.

President of the World Heart Federation.

Director of the Cape Heart Institute (CHI).

Work phone: 021 406 6457

Email: karen.sliwa-hahnle@uct.ac.za

MR. LWANDO BANTOM

National Director – Transformation and Growth
South African Institute of Chartered Accountants (SAICA)
Tel: 041-3951500
Cell: 0724995267 and Email: lwandob@saica.co.za