



**STELLENBOSCH**  
UNIVERSITY • IYUNIVESITHI • UNIVERSITEIT

## Graduation Ceremonies

**6 December**

09:00 • 13:00 • 17:00

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## Gradeplegtighede

**6 Desember**

09:00 • 13:00 • 17:00

2022

## Our vision 2040

Stellenbosch University will be Africa's leading research-intensive university, globally recognised as excellent, inclusive and innovative, where we advance knowledge in service of society.

## Our mission

Stellenbosch University is a research-intensive university, where we attract outstanding students, employ talented staff and provide a world-class environment; a place connected to the world, while enriching and transforming local, continental and global communities.

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## Umbono Wethu ka2040

IYunivesithi yaseStellenbosch iya kuba yiyunivesithi egxininisa kuphando nekhokelayo eAfrika, neyamkelwa kwihlabathi lonke njengegqwesileyo, equkayo neyenza inguqulelo ezintsha, nalapho ulwazi olusiqhubela phambili lunika iinkonzo kuluntu.

## Ubizo lwethu

IYunivesithi yaseStellenbosch yiyunivesithi egxininise kuphando nalapho sitsala abafundi abagqwesileyo, siqesha abasebenzi abanesiphiwo kwaye sibonelela ngemeko ekwinqanaba lehlabathi; indawo eqhagamshelana nehlabathi, ngeli lixa ityebisa ngophuhliso kwaye iguqula uluntu lwendawo, elizwekazi nolwehlabathi.

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## Ons visie 2040

Die Universiteit Stellenbosch sal Afrika se voorste navorsingsintensiewe universiteit wees wat wêreldwyd as uitnemend, inklusief en innoverend erken word en waar ons kennis tot diens van die samelewing bevorder.

## Ons missie

Die Universiteit Stellenbosch is 'n navorsings-intensiewe universiteit wat uitmuntende studente lok, talentvolle personeel aanstel en 'n wêreldklasomgewing bied; 'n plek wat met die wêreld verbind is en gemeenskappe plaaslik, op die vasteland en in die res van die wêreld verryk en transformeer.



## Retired Justice | Oudregter Edwin Cameron

Chancellor | Kanselier

### **Dear member of the Stellenbosch University community**

**It is an honour and a privilege for me to bring this message to our graduation ceremonies.**

The past year had its difficulties. The severity of the Covid-19 pandemic has declined in 2022, but the Stellenbosch University (SU) community confronted many other real difficulties.

Untoward incidents on campus reminded us that we have a long way to go in learning to live with and respect each other, and to join hands in working for our future together.

But amidst so many difficulties, you have succeeded in graduating – and this says great things about your future and ours!

This week, we are enormously proud of the cascade of hard-won degrees, diplomas and certificates we confer at these ceremonies. Students, lecturers, supervisors, support services staff and management – each one of you have played a critical part in ensuring that Stellenbosch University continues to flourish.

And without the support that loving friends and family have willingly given, many students would not be here today to celebrate their achievements – so, to them, too, a heartfelt thank you.

A further word of appreciation to our generous-hearted donors and sponsors. They have indispensably helped our graduands to keep working, to learn and apply dedication and purpose, until the very end, to crown today's achievements.

#### **To each and every graduand:**

May the pride and joy with which we celebrate your achievement today develop over time into something even more valuable – a richer sense of duty and responsibility. Your new status means you can use the knowledge, skills and networks from your studies at Stellenbosch University to make our country, continent and the world better.

More than ever, it is your enriching and empowering choice to help shape society and make a definable difference in your community.

I wish you joy, success and fulfilment in the next phase of your life's journey.

**Retired Justice Edwin Cameron  
Chancellor**

### **Geagte lid van die Universiteit Stellenbosch-gemeenskap**

**Dit is vir my 'n eer en 'n voorreg om hierdie boodskap vir ons gradeplegtighede te lewer.**

Die afgelope jaar het sy probleme gehad. Hoewel die erns van die Covid-19-pandemie in 2022 afgeneem het, is die Universiteit Stellenbosch (US) en sy gemeenskap deur verskeie ander probleme geteister.

Ongewenste voorvalle op kampus het ons daaraan herinner dat ons nog 'n lang pad moet stap om te leer hoe om saam met mekaar te lewe en hoe om mekaar te respekteer, en ook hoe om saam 'n toekoms te bou.

Maar te midde van alles het julle daarin geslaag om julle kwalifikasie suksesvol te voltooi – en dit spreek wonderlike boekdele oor julle én ons toekoms!

Ons is vandeeweke ongelooflik trots daarop om die menigte grade, diplomas en sertifikate waarvoor daar so hard gewerk is, by hierdie plegtighede te kan toeken. Studente, dosente, toesighouers, steundienstpersoneel en bestuur – elkeen van julle het 'n uiters belangrike rol gespeel om te verseker dat die Universiteit Stellenbosch verder floreer.

En sonder die ondersteuning wat geliefde familie en vriende so onvoorwaardelik bied, sou talle studente nie vandag hier kon wees om hulle prestasie te vier nie – so, ons sê uit ons hart uit ook dankie aan hulle.

'n Woord van waardering gaan ook aan ons ruimhartige donateurs en borge. Hulle onontbeerlike hulp het ons graduandi gehelp om tot aan die einde met toewyding en doelgerigtheid aan te hou werk en aan te hou leer sodat hulle vandag die vrug van hulle arbeid kan pluk.

#### **Aan alle graduandi:**

Mag die trots en vreugde waarmee ons vandag julle prestasie vier, met die verloop van tyd in iets nog waardevoller ontwikkel – 'n ryker sin van plig en verantwoordelikheid. Julle nuwe status beteken julle kan nou die kennis, vaardighede en netwerke van julle studentejare by die Universiteit Stellenbosch gebruik om ons land, vasteland en die wêreld 'n beter plek te maak.

Dit is nou nog meer as te ooit te vore julle verrykende en bemagtigende keuse om te help om die samelewing te vorm en om 'n werklike verskil in julle gemeenskap te maak.

Ek wens julle vreugde, sukses en vervulling toe met die volgende fase van julle lewensreis.

**Oudregter Edwin Cameron  
Kanselier**



## **Prof Wim de Villiers**

Rector and Vice-Chancellor | Rektor en Visekanselier

### ***Dear Matie graduand***

Firstly, congratulations!

The main goal of enrolling at university, firstly, is to graduate, and today you're achieving that. This must be celebrated, so I want to say well done to you and everyone who has championed you along the way.

Secondly, your qualification from Stellenbosch University will open doors, no matter where you are in the world. Despite our challenging year, our international reputation is more than intact. We've built strong networks and purposeful partnerships, and the international community is keen to see what impact our graduates will have.

In 2020 and 2021, when the pandemic was still very much at the forefront of everything we did, our objective was simple: complete the academic year. And yet, because of the agility and can-do spirit of our staff and students, we managed to surpass this objective and thrive.

And in 2022 we were able to go even further. Our staff and students across the academic spectrum proved that SU nurtures and advances innovation.

This is not to say we didn't face significant challenges. The unfortunate incidences at our University have forced us to reflect on what it truly means to be an inclusive institution. But reflection also requires action, and we will do everything necessary to ensure SU is a place where everyone feels welcome and heard.

I know the lessons you've learnt here will stand you in good stead, and I hope you will continue to live by SU's values – excellence, compassion, equity, respect and accountability.

We'd like you to stay in touch and be part of SU's future through our alumni network. Please visit [www.matiesconnect.com](http://www.matiesconnect.com), where you'll be able to maintain ties with your University friends, view job offers and find mentors and networking opportunities – all in one place. SU will always be your academic home, and a strong alumni network is not only beneficial for our University but will also enhance your professional development going forward.

Good luck with what the future holds, until we meet again!

***Prof Wim de Villiers***  
***Rector and Vice-Chancellor***

### ***Beste Matie-graduandus***

Eerstens, baie geluk!

Die hoofdoel daarvan om by 'n universiteit in te skryf, is eerstens om te gradueer, en vandag bereik jy hierdie doelwit. Dit moet gevier word. Daarom wil ek aan jou sê: Knap gedaan aan jou en elkeen wat jou op hierdie reis ondersteun het.

Tweedens sal jou kwalifikasie van die Universiteit Stellenbosch vir jou deure open, ongeag waar jy jou ook al in die wêreld bevind. Ondanks ons uitdagende jaar, is ons internasionale reputasie meer as ongeskonde. Ons het sterk netwerke en doelgerigte vennootskappe gebou en die internasionale gemeenskap is gretig om te sien watter trefkrag ons gegradueerdes gaan hê.

Te midde van die allesoorheersende pandemie in 2020 en 2021 was ons doelwit eenvoudig: Voltooi die akademiese jaar. Maar danksy ons personeel en studente se veerkragtigheid en 'n ingesteldheid van ons-gaan-dit-regkry, kon ons hierdie doelwit oortref en floreer.

En in 2022 kon ons selfs verder gaan. Ons personeel en studente regoor die akademiese spektrum het bewys dat die US innovasie kweek en bevorder.

Dit beteken nie ons het nie aansienlike uitdagings beleef nie. Die ongelukkige voorvalle by ons Universiteit het ons gedwing om na te dink oor wat dit werklik beteken om 'n inklusiewe instelling te wees. Maar nadenke vereis ook aksie, en ons sal alles wat nodig is, doen om te verseker dat die US 'n plek is waar almal welkom voel en dat daar na hulle geluister word.

Ek weet die lesse wat jy hier geleer het, sal jou handig te pas kom en ek hoop jy sal voortgaan om die US se waardes – uitnemendheid, deernis, billikheid, respek en verantwoordbaarheid – uit te leef.

Ons wil graag hê jy moet in aanraking bly en deel word van die US se toekoms deur middel van ons alumni-netwerk. Besoek gerus [www.matiesconnect.com](http://www.matiesconnect.com) waar jy jou bande met jou Universiteitsvriende kan behou, werksgeleenthede kan sien en mentors en netwerkgeleenthede sal vind. Die US sal altyd jou akademiese tuiste bly en 'n sterk alumni-netwerk strek nie net tot voordeel van ons Universiteit nie, maar sal ook vir jou professionele ontwikkeling op jou pad vorentoe voordelig wees.

Alle voorspoed vir die toekoms, tot ons weer ontmoet!

***Prof Wim de Villiers***  
***Rektor en Visekanselier***

### **Chancellor | Kanselier**

Retired Justice E Cameron, BAHons, LLd hc (Stell), LLB, BCL, MA, DCL hc (Oxford), LLd hc (King's College, London), LLd hc (Witw), LLd hc (St Andrews), LLd hc (Sussex)

### **Chairperson of Council | Voorsitter van die Raad**

AV Moos, BA, BPhil, MBA

### **Rector and Vice-Chancellor | Rektor en Visekanselier**

Prof WJS de Villiers, MB, ChB, MMed (Int), FCP (SA), DPhil, MHCM

### **Chief Operating Officer | Uitvoerende Bedryfshoof**

Prof SA du Plessis, BComHons, MPhil, PhD

### **Deputy Vice-Chancellor (Social Impact, Transformation and Personnel)**

#### **Viserektor (Sosiale Impak, Transformasie en Personeel)**

Prof NN Koopman, BA, MTh, DTh

### **Deputy Vice-Chancellor (Learning and Teaching) | Viserektor (Leer en Onderrig)**

Prof D Ramjugenath, BScEng, PhD, MASSAf, FAAS, FSAAE

### **Deputy Vice-Chancellor (Research, Innovation and Postgraduate Studies)**

#### **Viserektor (Navorsing, Innovasie en Nagraadse Studies)**

Prof S Moyo, BSc, BScHons, MSc, MTEM, PhD

### **Deputy Vice-Chancellor (Strategy, Global and Corporate Affairs)**

#### **Viserektor (Strategie, Globale en Korporatiewe Sake)**

Prof HC Kloppe, BCur, MCur, PhD, MBA, FAAN, MASSAf

### **Registrar | Registrateur**

Dr P Retief, MA, DLitt

### **Deans | Dekane**

#### **AgriSciences | AgriWetenskappe**

Prof D Brink, BScHons, MScAgric, PhD

#### **Economic and Management Sciences | Ekonomiese en Bestuurswetenskappe**

Prof ID Woolard, BSc, BAHons, PhD

#### **Medicine and Health Sciences | Geneeskunde en Gesondheidswetenskappe**

Prof EM Muller, MBChB, MRCS (Ed), FCS (SA), MMed, FACS, PhD

#### **Engineering | Ingenieurswese**

Prof JL van Niekerk, MEng, PhD, EMBA

#### **Military Science | Krygskunde**

Prof MS Tshela, MSc, PhD

#### **Arts and Social Sciences | Lettere en Sosiale Wetenskappe**

Prof AJ Leysens, MA, DPhil

#### **Science | Natuurwetenskappe**

Prof L Warnich, MSc, PhD

#### **Education | Opvoedkunde**

Prof MR Madiba, DLitt et Phil

#### **Law | Regsgeleerdheid**

Prof N Smit, BLC, LLB, LLD

#### **Theology | Teologie**

Prof RW Nel, BA, BTh, MTh, DTh

## Always a Matie

Congratulations and welcome to the Stellenbosch University alumni family! Your graduation is a momentous occasion and marks the beginning of your continued relationship with your alma mater. The Alumni Office is your lifelong connection to the University.

There are many ways to stay connected.

## Homecoming and Family Weekend

The University's Homecoming and Family Weekend takes place from Thursday 14 September to Saturday 16 September 2023 on the Stellenbosch campus. Information is available on [www.matiesalumni.com](http://www.matiesalumni.com).

## Join Maties Connect

Our [www.matiesconnect.com](http://www.matiesconnect.com) platform will help you increase your professional network, find a job opportunity, advertise your business, search for a mentor, reach out to alumni, and keep up to date on what's happening at your alma mater.

## Be part of an Alumni Chapter

The University's Development and Alumni Relations team establish alumni chapters both locally and internationally to connect alumni in specific regions with one another through regular networking and social events - both online and in person. For more information on how to join or to volunteer and participate in a chapter, send an e-mail to [alumni hubs@sun.ac.za](mailto:alumni hubs@sun.ac.za).

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## I-Matie ngalo Lonk' ixesha

Sivuyisana nawe kwaye wamkelekile kusapho olungabo babesakufunda kwiYunivesithi yaseStellenbosch! Ukuthweswa kwakho isidanga lixesha apha elakha labaluleka, kwaye likwalixesha eliphawula ukuqalisa kwakho ubudlelwane obuqhubekayo kunye nale yunivesithi owawusakufunda kuyo. IOfisi yabo Babesakuba Ngabafundi Apha yiyo ekunxulumanisa neYunivesithi ubomi bakho bonke.

Zininzi iindlela zokuhlala uqhagamshelile.

## IMpelaveki yoBuyelekhaya ubekunye noSapho

IMpelaveki yoBuyelekhaya ubekunye noSapho eyenzelwe abo babesakufunda apha yenzeka ukusuka ngoLwesine umhla we-14 kwinyanga yoMsintsi ukuya kutsho ngoMgqibelo umhla we-16 kweyoMsintsi 2023 kwikhampasi yaseStellenbosch. Iingombolo ezithe vetshe zifumaneka ku-[www.matiesalumni.com](http://www.matiesalumni.com).

## Joyina i-Maties Connect

Iqonga lethu le-[www.matiesconnect.com](http://www.matiesconnect.com) liza kukunceda ekwandiseni inani leengcali onxibelelana nazo, ukufumana amathuba omsebenzi, ukwazisa ishishini lakho, ukufuna umcebisi onamava, ekufikeleleni kwabanye ababefunda apha nasekubeni uhlale usazi ngokwenzekayo ngale yunivesithi owawusakufunda kuyo.

## Yiba yinxalenye yeQela labo baBesakuba ngaBafundi balapha

Iqela loPhuhliso nezoNxibelelwano lwabo baBesakuba ngaBafundi balapha lisungula amaqela abo babesakuba ngabafundi apha netshapta zawo naza kuzinza kweli lizwe nakwamanye amazwe ukuze kunxibelelwane ngabo babesakuba ngabafundi apha abakwiingingqi ezithile oko kusenziwa ngokunxibelelana rhoqo nangendibano zasekuhlaleni nge-intanethi nangobuso ngobuso. Ukuba ufuna iinkcukacha ezithe vetshe malunga nendlela yokujoyina okanye yokuvolontiya nokuthatha inxaxheba kwiqela okanye itshapta ehlabathini, thumela i-imeyili ku [alumni hubs@sun.ac.za](mailto:alumni hubs@sun.ac.za).

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## Altyd 'n Matie

Geluk en welkom in die Universiteit Stellenbosch se alumni-familie! Jou gradeplegtigheid is 'n belangrike mylpaal, en ook die begin van jou voortgesette verbintenis met jou alma mater. Die Alumnikantoor is jou lewenslange skakel met die Universiteit.

Daar is vele maniere om in kontak te bly.

## Tuiskoms-en-Familienaweek

Die Universiteit se Tuiskoms-en-Familienaweek vir alumni vind vanaf Donderdag 14 September tot Saterdag 16 September 2023 op die Stellenboschkampus plaas. Inligting is by [www.matiesalumni.com](http://www.matiesalumni.com) beskikbaar.

## Sluit aan by Maties Connect

Ons [www.matiesconnect.com](http://www.matiesconnect.com)-platform sal jou help om jou professionele netwerk uit te brei, 'n werkgeleentheid te vind, jou besigheid te adverteer, vir 'n mentor te soek, alumni te kontak, en op die hoogte van gebeure by jou alma mater te bly.

## Wees deel van 'n Alumni-tak

Die Universiteit se Ontwikkeling en Alumnibetrekkinge-span vestig plaaslike en internasionale alumni-takke om alumni in spesifieke streke met mekaar in verbinding te bring deur gereelde netwerk- en sosiale geleenthede aan te bied – aanlyn en in persoon. Vir meer inligting oor hoe om aan te sluit, as vrywilliger op te tree en wêreldwyd aan 'n tak deel te neem, stuur 'n e-pos aan [alumni hubs@sun.ac.za](mailto:alumni hubs@sun.ac.za).



# Graduation Ceremonies | Gradeplegtighede

## 1. 6 December | Desember 2022 (09:00) 7

### Faculty of Medicine and Health Sciences (Group 1) | Fakulteit Geneeskunde en Gesondheidswetenskappe (Groep 1)

MBChB; All MMed programmes; PhD (Anaesthesiology); PhD (Clinical and Research Ethics Dermatology); PhD (Dermatology); PhD (Emergency Medicine); PhD (Family Medicine); PhD (Internal Medicine); PhD (Medical Physics); PhD (Neurosurgery); PhD (Nuclear Medicine); PhD (Obstetrics and Gynaecology); PhD (Ophthalmology); PhD (Orthopaedic Surgery); PhD (Otorhinolaryngology); PhD (Paediatrics); PhD (Pharmacology); PhD (Plastic and Reconstructive Surgery); PhD (Psychiatry); PhD (Radiological Diagnosis); PhD (Radiotherapy and Radio Isotopes); PhD (Surgery); PhD (Thoracic Surgery); PhD (Urology)

#### Honorary Doctorate | Eredoktorsgraad 9

*Agnes Binagwaho*

#### Doctoral Qualifications | Doktorale Kwalifikasies 10

#### Other Qualifications | Ander Kwalifikasies 12

## 2. 6 December | Desember 2022 (13:00) 15

### Faculty of Medicine and Health Sciences (Group 2) | Fakulteit Geneeskunde en Gesondheidswetenskappe (Groep 2)

All undergraduate programmes (excluding MBChB); All PG Diplomas; All Honours programmes; All Masters programmes (excluding MMed); PhD (Anatomical Pathology); PhD (Anatomy); PhD (Audiology); PhD (Chemical Pathology); PhD (Epidemiology); PhD (Haematological Pathology); PhD (Health Professions Education); PhD (Health Science Rehabilitation); PhD (Human Genetics); PhD (Medical Microbiology); PhD (Medical Physiology); PhD (Medical Virology); PhD (Molecular Biology); PhD (Morphological Sciences); PhD (Nursing); PhD (Nutritional Sciences); PhD (Occupational Therapy); PhD (Physiotherapy); PhD (Public Health); PhD (Radiobiology); PhD (Speech-Language Therapy); PhD (Sport Psychology); PhD (Sport Science)

#### Doctoral Qualifications | Doktorale Kwalifikasies 17

#### Other Qualifications | Ander Kwalifikasies 20

#### Chancellor's Awards | Kanselierstoekenings 25

*Daniel Ranna*

*Susan van Schalkwyk*

*Tarryn Young*

## 3. 6 December | Desember 2022 (17:00) 27

### Faculty of AgriSciences | Fakulteit AgriWetenskappe

#### Honorary Doctorate | Eredoktorsgraad 29

*Thomas Dreyer (Tommie) van Zyl*

#### Doctoral Qualifications | Doktorale Kwalifikasies 30

#### Other Qualifications | Ander Kwalifikasies 33

#### Chancellor's Award | Kanselierstoekenning 37

*Marena Manley*

## 4. National anthem | Nasionale volkslied 38





# **Faculty of Medicine and Health Sciences (Group 1)**

6 December 2022 | 09:00

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# **Fakulteit Geneeskunde en Gezondheidswetenschappen (Groep 1)**

6 Desember 2022 | 09:00



## Programme

- Please stand*
- Please stand*
- Please sit*
- Please stand*
1. Entrance of academic procession into the hall.
  2. Playing of the National Anthem.
  3. Congregation formally constituted by the Vice-Chancellor.
  4. Welcome by the Vice-Chancellor.
  5. Presentation of candidate for the honorary doctorate and conferment of the degree by the Vice-Chancellor.
  6. Presentation of candidates receiving qualifications by the dean of the faculty and conferment of qualifications by the Vice-Chancellor.
  7. Closing by the Vice-Chancellor.
  8. The academic procession leaves the stage.
- 

## Program

- Staan asseblief*
- Staan asseblief*
- Sit asseblief*
- Staan asseblief*
1. Akademiese prosesie kom die saal binne.
  2. Speel van die Nasionale Lied.
  3. Formele konstituering deur die Visekanselier.
  4. Verwelkoming deur die Visekanselier.
  5. Voorstelling van die eredoktorandus en toekenning van die eredoktorsgraad deur die Visekanselier.
  6. Voorstelling van kandidate wat kwalifikasies ontvang deur die dekaan van die fakulteit en toekenning van kwalifikasies deur die Visekanselier.
  7. Sluiting deur die Visekanselier.
  8. Akademiese prosesie verlaat die verhoog.

# HONORARY DOCTORATE | EREDOKTORSGRAAD

## Faculty of Medicine and Health Sciences Fakulteit Geneeskunde en Gesondheidswetenskappe

The degree Doctor of Science (DSc), *honoris causa*, to  
Die graad Doktor in die Natuurwetenskappe (DSc), *honoris causa*, aan

### Agnes Binagwaho

*for her visionary leadership as a national and global policymaker, her commitment to a stronger public health sector, her pioneering work advocating for the rights of people living with HIV, and leveraging her knowledge to launch scientific and citizen-centred endeavours in Africa and beyond.*

Prof Agnes Binagwaho is a Rwandan paediatrician who has made remarkable contributions to improving the health and wellbeing of people in Rwanda and the rest of Africa.

Born in Rwanda, Binagwaho moved to Belgium as a child. Here she later obtained her medical degree and specialised in paediatrics before returning to her native country in 1996 – two years after the Rwandan genocide. She proceeded to hold several high-level government offices, including that of health minister.

She has been a tireless advocate for the rights of persons living with HIV/Aids and led the Rwandan National Aids Control Commission from 2002 to 2008. Under her supervision, the commission connected public, private and community sectors to provide better HIV care, resulting in a 44% decrease in HIV-related deaths, while new infections were halved.

During her time as health minister (2011–2016), Rwanda's health system improved significantly: The country achieved nearly universal coverage with a national community-health-based insurance scheme, significant decreases in maternal and neonatal mortality, increased life expectancy and high childhood vaccination rates.

She is the current vice-chancellor of the University of Global Health Equity, as well as a senior lecturer at Harvard. Binagwaho also serves as senior advisor to the director-general of the World Health Organisation and is a member of the United States National Academy of Medicine.

*vir haar visionêre leierskap as 'n nasionale en internasionale beleidvormer, haar verbintenis tot 'n sterker openbare gesondheidssektor, haar baanbrekerswerk as kampvegter vir die regte van diegene wat met MIV leef, en die benutting van haar kennis om wetenskaplike én burgergerigte projekte in Afrika en verder van stapel te stuur.*

Prof Agnes Binagwaho is 'n Rwandese pediater wat merkwaardige bydraes gelewer het tot die verbetering van die gesondheid en welstand van mense in Rwanda en die res van Afrika.

Sy is in Rwanda gebore, maar het as kind na België verhuis. Hier verwerf sy later haar mediese graad en spesialiseer in pediatrie voordat sy in 1996 – twee jaar ná die Rwandese volksmoord – na haar geboorteland terugkeer. Binagwaho het daarna verskeie hoëvlakregeringsampte beklee, waaronder dié van gesondheidsminister.

Sy is 'n onvermoebare kampvegter vir die regte van diegene wat met MIV/vigs leef, en het van 2002 tot 2008 aan die stuur van die Rwandese Nasionale Vigsbeheerkommissie gestaan. Die kommissie het onder haar leiding die openbare, privaat en gemeenskapsektore laat saamwerk om beter MIV-sorg te voorsien, wat tot 'n 44% afname in MIV-verwante sterftes en die helfte minder nuwe infeksies gelei het.

Gedurende haar tyd as gesondheidsminister (2011–2016) het Rwanda se gesondheidstelsel aansienlik verbeter. Die land het bykans universele dekking met 'n nasionale gemeenskapsgesondheidsgebaseerde versekeringskema bereik, groot afnames in moeder- en babasterftes ervaar, en 'n verhoging in lewensverwagting en kinderinentingsyfers beleef.

Sy is die huidige visekanselier van die Universiteit vir Globale Gesondheidsbillikheid, sowel as 'n senior dosent by Harvard. Boonop dien Binagwaho as 'n senior raadgewer vir die direkteur-generaal van die Wêreldgesondheidsorganisasie én as 'n lid van die Nasionale Akademie vir die Geneeskunde in die Verenigde State.



# Faculty of Medicine and Health Sciences (Group 1)

## Fakulteit Geneeskunde en Gesondheidswetenskappe (Groep 1)

DOCTORAL QUALIFICATIONS | DOKTORALE KWALIFIKASIES

### DOCTOR OF PHILOSOPHY DOKTOR IN DIE WYSBEGEERTE

**CHOTHIA**, Mogamat-Yazied (Internal Medicine)

#### Improving the emergency management of hyperkalaemia

This PhD included the largest African epidemiologic study to date, which reported an in-hospital prevalence of hyperkalaemia of 3,7%, and high mortality. It also included a systematic review of the adverse effects of insulin-based therapy which found a hypoglycaemia rate of 17%, and a survey among medical specialists which identified knowledge gaps regarding insulin therapy and the complication of hypoglycaemia. A method comparison study was also conducted, which demonstrated that point-of-care K<sup>+</sup> measurements could be used for rapid diagnosis of hyperkalaemia. Finally, in a randomised trial, it was demonstrated that a glucose-only bolus is a novel and effective therapeutic option for lowering serum [K<sup>+</sup>] without any risk of hypoglycaemia.

*Supervisor:* Prof MR Davids  
*Co-supervisor:* Prof UME Chikte

**HASSAN**, Karim Mohammed (Internal Medicine)

#### The Contemporary study of Acute Myocarditis in South Africa (CAMISA)

The Contemporary study of Acute Myocarditis in South Africa (CAMISA) is the largest study of myocarditis to be undertaken outside of the developed world. This landmark investigation describes the presentation, causes and outcomes of myocarditis locally and developed a novel echocardiographic and fluoroscopic procedural screening methodology for ensuring the safety of endomyocardial biopsy in low-volume centres. Diagnostic thresholds for Parvo B19 myocarditis, the most common form of viral myocarditis, were determined to assist in differentiating myocarditis from incidental latent viral presence, a common scenario. MRI-based patterns of myocardial involvement and diagnostic sensitivities were linked to specific patterns of presentation and clinical predictors of poor outcome were determined.

*Supervisor:* Dr PG Herbst  
*Co-supervisor:* Prof AF Doubell

**KAJERO**, Jaiyeola Abiola (Psychiatry)

#### Investigation of the Potential Beneficial Effects of Cannabidiol on Oro-Bucco-Lingual Dyskinesias, Oxidative Stress and Psychosis Using Animal Studies

This study investigated the potential attenuating effects of cannabidiol (CBD) on antipsychotic-induced vacuous chewing movements (VCM), behavioural and biochemical aberrations, and cognitive and negative symptoms of schizophrenia in rodent models of tardive dyskinesia and psychosis. The results demonstrated that CBD attenuated haloperidol-induced VCM and biochemical parameters; however, these effects were dependent on the prolonged administration of haloperidol. CBD also attenuated metabolic side effects of risperidone and haloperidol. CBD reduced oxidative stress induced by social isolation, but did not have significant effects on cognitive and negative symptoms in a rodent model of schizophrenia.

*Supervisor:* Prof S Seedat  
*Co-supervisors:* Drs O Aina (*external*), A Akindele (*external*), Prof J Ohaeri (*external*)

**LACHMAN**, Anusha (Psychiatry)

#### Shared Pleasure in Early Infant Interactions

This study investigated the shared pleasure paradigm in mothers with and without mental illness and their young infants in a clinical and community setting in the Western Cape. The study included a range of neurodevelopmental, infant withdrawal and maternal mental health variables. The presence of shared pleasure moments showed a complex relationship with infant withdrawal behaviours, cognitive and motor development, maternal mental health and maternal exposure to adverse life events. Shared pleasure in reciprocal interactions may only be disrupted in extreme cases (such as severe mental illness) and hence may serve as a potential screening tool for at-risk mother–infant dyads.

*Supervisor:* Prof DJH Niehaus  
*Co-supervisor:* Prof K Puura (*external*)

**MALULEKE**, Tirhani Lineth (Pharmacology)

### **Development of a Direct ADR Reporting Tool for Patients to Address Under-Reporting of ADRs to the National Pharmacovigilance Unit in South Africa**

Medicines obtain marketing authorisation with limited safety data. Global pharmacovigilance (PV) systems dependent on adverse drug reactions (ADRs) reported by healthcare professionals enable the development of post-marketing safety profiles of such medicines. To address the underreporting of ADRs, an online PV reporting tool for consumers was developed and its content and usability were validated by healthcare professionals. A feasibility study among consumers confirmed the practicality of the tool in terms of consumer use and in the causal assessment of a medicine and a suspected adverse event. This reporting tool will significantly promote the efficiency of the National PV system in South Africa.

*Supervisor:* Dr C Page

*Co-supervisors:* Dr E Allen, Prof H Reuter

**ROBBERTSE**, Pieter-Paul Strauss (Internal Medicine)

### **Prospective evaluation of the presence, profile and evolution of asymptomatic cardiovascular disease in treatment naïve, HIV infected patients using cardiac magnetic resonance imaging after initiation on antiretroviral therapy**

Subclinical HIV-associated cardiovascular disease was prospectively studied in a cohort of newly diagnosed HIV-infected individuals without clinical cardiovascular disease and prior to initiating antiretroviral therapy (ART). MRI demonstrated subclinical cardiac dilatation, thickening, systolic impairment, myocardial oedema and fibrosis. These findings improved on ART, but did not normalise over nine months. Cardiac magnetic resonance tissue characterisation and biomarkers supported the inflammatory hypothesis of HIV heart disease. Biochemical biomarkers of cardiac remodelling and fibrosis, including sST2 and Galectin 3, show promise as surrogates for cardiac magnetic resonance imaging biomarkers, while aortic stiffness looks promising for assessment of cardiovascular disease risk prediction in people living with HIV.

*Supervisor:* Dr PG Herbst

*Co-supervisor:* Prof AF Doubell

**VOUNG**, Eileen (Psychiatry)

### **Exploring the potential role of adiponectin in the development of posttraumatic stress disorder in female rape survivors in South Africa**

This study investigated the potential role of adiponectin (ADP) in predicting the onset of posttraumatic stress disorder (PTSD) and cardiometabolic disease in female rape survivors early after rape. Higher serum adiponectin (*s-ADP*) levels were associated with a reduced risk of PTSD at three- and six-month follow-up. No adiponectin gene (*ADIPOQ*) variant was shown to be associated with PTSD symptom severity; however, a single nucleotide polymorphism of *ADIPOQ* was shown to both influence *s-ADP* levels and significantly reduce the risk of metabolic syndrome at 12 months. Serum ADP was also significantly associated with individual metabolic syndrome components.

*Supervisor:* Prof S Seedat

*Co-supervisors:* Profs N Abrahams (*external*), SMJ Hemmings, N Peer (*external*)

**WADEMAN**, Dillon Timothy (Paediatrics)

### **A critical interrogation of the acceptability of antituberculosis treatment in caregivers, children and adolescents in the Western Cape, South Africa**

This study addressed how we should conceptualise the acceptability of tuberculosis care for children. It first describes the emerging importance of children's autonomy and the experience of patients/caregivers for care outcomes. Then, it evaluated the acceptability of formulations and regimens for drug-sensitive and drug-resistant tuberculosis treatment in children. The study presents a novel, holistic conceptual model of acceptability for childhood tuberculosis care. This model, with the dimensions of usability, receptivity and integration, is a much-needed standard against which to measure new formulations and regimens, thereby informing more child-friendly care, reduced morbidity and ultimately better outcomes.

*Supervisor:* Dr G Hoddinott

*Co-supervisors:* Prof R Reis (*external*), Dr L Reynolds



HOME

# Faculty of Medicine and Health Sciences (Group 1)

## Fakulteit Geneeskunde en Gesondheidswetenskappe (Groep 1)

### OTHER QUALIFICATIONS | ANDER KWALIFIKASIES

#### Master of Medicine Magister in die Geneeskunde

Adedolapo, Akeem (Psychiatry)  
Anopuechi Clarkson, Chinelo Vivian (Internal Medicine)  
Apollos, Caylin (Obstetrics and Gynaecology)  
Asafo Adjei, Peter (Plastic and Reconstructive Surgery)  
Augustyn, Johan Christiaan (Surgery)  
Barday, Mohammed Mikhail (Paediatrics)  
Benelmokhtar, Mohamed Jebri (Psychiatry)  
Boake, Megan Wilson (Family Medicine)  
Bondera, Tichayedza (Radiological Diagnosis)  
Bovula, Siyabulela Nkosazana (Paediatrics)  
Brey, Naeem (Neurology)  
Buckley, Alexandra Maria (Internal Medicine)  
Busgeeth, Mohammad Asrafee Jameel (Paediatrics)  
Chetty, Carissa (Haematological Pathology) (*cum laude*)  
Daniels, Chetoivo William (Internal Medicine)  
Dausab, Gaudencia Florence (Emergency Medicine)  
De Lange, Louise Christelle (Plastic and Reconstructive Surgery)  
Dippenaar, Lori Diana (Anaesthesiology)  
Duvenhage, Joanie Conradie (Paediatrics)  
Fourie, Francois Isaac Louw (Family Medicine)  
Foxcroft, William Donnavan (Orthopaedic Surgery) (*cum laude*)  
Gallant, Tasneem (Obstetrics and Gynaecology)  
Gallo, Justine (Dermatology)  
Gantana, Ethan James (Haematological Pathology)  
Gobetz, Charlé (Paediatrics)  
Goga, Raeesa (Emergency Medicine)  
Gondo, Washington (Surgery)  
Gray, Nicola Anne (Dermatology) (*cum laude*)  
Grey, Jan-Petrus (Orthopaedic Surgery)  
Harmse, Leani (Anaesthesiology)  
Harvey, Megan (Anaesthesiology)  
Hoffe, Mary Elizabeth (Emergency Medicine)  
Indongo, Justine Nalimanguluke (Obstetrics and Gynaecology)  
Jaravaza, Rufaro Diana (Anatomical Pathology) (*cum laude*)  
Jatileni, Daniel Samuel (Surgery)  
Kammies, Jo-Ann Desire (Obstetrics and Gynaecology)  
Khan, Suhayl Ahmed (Orthopaedic Surgery) (*cum laude*)  
Kibirige, Jemimah Rebecca Alice Tendo Namugga (Anaesthesiology)  
King, Justin Cameron (Anaesthesiology)  
Kriel, Renier (Orthopaedic Surgery)  
Laubscher, Elizabeth Magdalene (Internal Medicine) (*cum laude*)  
Lockett, Marshall Brandan (Family Medicine)  
Lohlun, Robert Kingsley (Haematological Pathology)  
Louw, Willem Andries Nienaber (Anaesthesiology)  
Mahoko, Mosadi (Plastic and Reconstructive Surgery)  
Makuluma, Abongile (Psychiatry)  
Manyathi, Bongwiwe (Anaesthesiology)  
Mapuranga, Humphrey (Radiological Diagnosis)  
Mathew, Dony Korah (Ophthalmology)

Mathose, Tabitha Tasunungurwa (Family Medicine) (*cum laude*)  
Meyer, Kirby Fiona (Emergency Medicine)  
Mkhize, Nokulunga (Radiological Diagnosis)  
Mkoka, Sipehelele Augustine (Obstetrics and Gynaecology)  
Moolla, Muhammad Saadiq (Internal Medicine) (*cum laude*)  
Muddapah, Creeshen Pillay (Psychiatry)  
Murphy, Levern Brendon (Family Medicine)  
Murugasen, Serini (Paediatrics) (*cum laude*)  
Naidoo, Kartik Sarvass (Family Medicine)  
Naidoo, Nasheen (Clinical Pathology)  
Olujobi, Victor Olurotimi Adi (Obstetrics and Gynaecology)  
Parker, Mohammed Aslam (Internal Medicine)  
Parker, Nousheen (Internal Medicine)  
Pierpoint, Scott Andrew (Anaesthesiology)  
Poerstamper, Simon (Internal Medicine) (*cum laude*)  
Poulter, Hayden Leslie (Family Medicine)  
Prevost, Alice Clare (Dermatology)  
Richards, Celeste Catherine (Family Medicine)  
Rossouw, Elizna (Anaesthesiology)  
Sabela, Tholakele (Internal Medicine)  
Sadhai, Prabash (Internal Medicine)  
Sangiwa, Bright (Nuclear Medicine)  
Sheehama, Ilona Ndapewa (Obstetrics and Gynaecology)  
Siyeka, Nwabisa (Radiological Diagnosis)  
Slabbert, Johannes Tobias (Microbiological Pathology)  
Steyn, Louwrens Johannes (Family Medicine)  
Steyn, Petrus Johannes (Psychiatry)  
Swarts, Lynne (Emergency Medicine)  
Uuyuni, Lavinia (Clinical Pathology)  
Van der Linde, Meghan (Family Medicine)  
Van der Merwe, Carine (Paediatrics)  
Van der Merwe, Laurie Wiid (Ophthalmology)  
Van der Westhuizen, Nicolaas Wilhelmus (Family Medicine)  
Van Heerden, Pauli (Obstetrics and Gynaecology) (*cum laude*)  
Van Zijl, Nicholas Louis Francois (Thoracic Surgery)  
Weinand, Fredrick John (Occupational Medicine) (*cum laude*)  
Wilscott-Davids, Candice (Forensic Pathology)  
Yu, Yun Chi (Anaesthesiology)

#### Bachelor of Medicine and Bachelor of Surgery Baccalaureus in die Geneeskunde en Baccalaureus in die Snykunde

Abou-Zeid, Ayesha  
Abou-Zeid, Muhammad (*cum laude*)  
Abrahams, Rustum  
Adams, Daniel Jared (*cum laude*)  
Adams, Ilham  
Adewumi, Toluwanimi Jeremiah  
Afrika, Amanda Jeanine  
Aharonov, Nadav Yehuda (*cum laude*)  
Alberts, Magdalene Suzanne  
Allanson, Roseanne Elizabeth  
Anand, Mohini



Arends, Kristin Abegail  
 Arendse, Ashton Ashley  
 Arendse, Micaela Elizabeth Sandra (*cum laude*)  
 Arndt, Carl Benjamin (*cum laude*)  
 Assim, Abdullah  
 Aziz, Abdul-Mutakabir  
 Baloyi, Lesley Akani  
 Barnard, Lilani (*cum laude*)  
 Barnardo, Rochelle  
 Bawa, Ziyaad  
 Benjamin, Tauhira  
 Bezuidenhout, Sanri (*cum laude*)  
 Biggs, Murray Ivor (*cum laude*)  
 Bisschoff, Lize  
 Bloem, Timothy  
 Bopheka, Asavela  
 Borrageiro, Genevie  
 Bosch, Eune (*cum laude*)  
 Boshoff, Mechiel Jacobus (*cum laude*)  
 Botha, Jeanette Charlotte (*cum laude*)  
 Bothma, Marizanne (*cum laude*)  
 Bruiners, Megan Monique  
 Bure, Faye Gen (*cum laude*)  
 Burger, Sara-Mari  
 Charfaray, Muhamed Uzair (*cum laude*)  
 Coetzee, Megan (*cum laude*)  
 Combrink, Marko  
 Cordeiro, Caitlyn (*cum laude*)  
 Cordy, Andrea  
 Damons, Athenia Cherlize  
 Daniels, Nathan  
 Davids, Moegamat Gharlieb  
 Davids, Salaamah  
 Dayar, Nitesh Kumar  
 Devenish, Melvene Raquel  
 Dhansay, Ahmed  
 Dixon, William-John (*cum laude*)  
 Docrat, Yusef  
 Du Toit, Anton Pierre  
 Du Toit, Lucas Marthinus Human  
 Duarte, Anjo Nina (*cum laude*)  
 Dubulekhwele, Sipheshile  
 Ebrahim, Zara  
 Esau, Kayleen (*cum laude*)  
 Fakier, Fadwa  
 Fancensie, Regan  
 Ferguson, Jenna (*cum laude*)  
 Fortuin, Clint Joel (*cum laude*)  
 Gaffoor, Saajidah  
 Gamielidien, Hanaan  
 Govender, Latika  
 Graham, Ruth-Anne Carol (*cum laude*)  
 Greyling, Christoff Rudolf (*cum laude*)  
 Groenewald, Kristin (*cum laude*)  
 Groom, Thomas (*cum laude*)  
 Gwala, Zinhle Zonke  
 Haasbroek, Alexa  
 Hendricks, Nikita Kay  
 Hendricks, Tawfeeq  
 Heneke, Nikita Jane (*cum laude*)  
 Hoosain, Nazeefah (*cum laude*)  
 Hoosain, Zaidah  
 Hope, Fallon Ricki  
 Howard, William Thomas  
 Hugo, Danielle (*cum laude*)  
 Human, Maurice Cohen (*cum laude*)  
 Ismail, Razeen  
 Ismail, Shaakira  
 Jairaj, Shreya Deepti (*cum laude*)  
 James, Eltanin Mikaela  
 Jantjies, Ruth Danaleigh  
 Jin, Woo Duk  
 Johannes, Liezemarie  
 Joubert, Anya  
 Kagee, Ammaarah  
 Kajee, Zahira  
 Kandan, Chad Anthony  
 Kaseke, Makabongwe Chido  
 Kekana, Karabo  
 Kenny, Sadieka  
 Kerr, Marie-Christin  
 Khan, Ilham  
 Khan, Raeesa  
 Khoali, Naledi  
 Khumalo, Mncedisi  
 Kirsten, Jette (*cum laude*)  
 Kock, Nicolas  
 Korf, Karlize (*cum laude*)  
 Korowlay, Laila (*cum laude*)  
 Kotze, Danielle Andrea  
 Kruger, Nicolene Renè  
 Kulati, Sanelisiwe Sisipho  
 La Grange, Jennifer  
 Labuschagne, Lane  
 Lambrechts, Jané  
 Langenhoven, Stefan Francois  
 Le Roux, Angelica Kyla  
 Le Roux, Daniel Jakobus (*cum laude*)  
 Le Roux, Lize (*cum laude*)  
 Le Roux, Sandra  
 Lenga, Ayanda  
 Leo, Clarissa  
 Lerm, Ingrid  
 Letswalo, Mamakiri  
 Likole, Lebohang Vincent  
 Londt, Bianca (*cum laude*)  
 Loots, Martha  
 Louis, Jamie (*cum laude*)  
 Louw, Talitha Soleil (*cum laude*)  
 Maart, Corin  
 Mabika, Siphokuhle Jessica (*cum laude*)  
 Madasa, Azizita  
 Magwaba, Tshepo  
 Mananga, Xatyiswa Asisipho  
 Maphutuma, Blessed Palesa  
 Marais, Elana Carien (*cum laude*)  
 Marais, Jeremias Jacobus  
 Mariani, Bianca Marisa  
 Martin, Liné  
 Mathele, Kabelo  
 Mathenjwa, Mvumeleni Menzi  
 Matshoba, Bubele Mhlabele  
 Matter, Jessica Marie  
 Mayiji, Siyamthanda Amanda  
 Mazaleni, Salathiso  
 McCurrach, Ashleigh Sarah (*cum laude*)  
 Merton, Zené Leigh  
 Meyer, Martez Nina  
 Mhangwana, Hundzukani  
 Mhlongo, Sinethemba Edith (*cum laude*)  
 Mhlongo, Wiseman Excellent  
 Mngomezulu, Nqobile Faith (*cum laude*)

Mokoena, Puleng Refiloe  
 Moodley, Ki'era  
 Moodliar, Dharshana (*cum laude*)  
 Morta, Raheez  
 Mothupi, Realeboga Renoldah  
 Mowzer, Muhammad Taufeeq Bashirodin  
 Mpu, Sibulele  
 Mthombeni, Busisiwe Angela Sheron  
 Muchiri, Sonia Muthoni  
 Mugambe, Pauline Nakaddu  
 Munduku, Naomi Mbimbi  
 Munthree, Parvania  
 Murugas, Chevaun De'maine  
 Muthivhi, Lufuno Herminah  
 Naidoo, Vikishia (*cum laude*)  
 Natha, Suhayb Ahmed  
 Ndlovu, Lindelwe Reality  
 Neethling, Rése (*cum laude*)  
 Nelson, Ané  
 Nemutandani, Mashudu Godfrey  
 Ngcobo, Tshiamo Sip'Eshile  
 Ngwenya, Sonto Jessica  
 Njovu, Khanyisile Moleboheng  
 Nkosi, Ripfumelo Beulah  
 Ntombela, Siphesihle Zibusiso  
 Odendaal, Shanel  
 Olowu, Glorionstriumph Oluwaseun  
 Opara, Okaraonyemma Lanuola Ulumma  
 Papavarnavas, Anastasya Joanna (*cum laude*)  
 Parker, Azhar  
 Parker, Haseena  
 Parker, Nausheenah (*cum laude*)  
 Parker, Sabeena  
 Patel, Milan  
 Peer, Muhammad Akhtaar  
 Peters, Madeega  
 Petersen, Nicole Celesté (*cum laude*)  
 Pienaar, Lauren (*cum laude*)  
 Pieterse, Iona  
 Pietersen, Lee-Mor  
 Plaatjies, Carmen Joan  
 Posthumus, Lara  
 Prinsloo, Chloe  
 Qiu, Meimei  
 Qotso, Kgaogelo Romeo  
 Ranchod, Aarti (*cum laude*)  
 Rawoot, Naseerah  
 Reid, Darren James (*cum laude*)  
 Rheeder, Nikola  
 Roomanay, Salmah  
 Rossouw, Emma Olive  
 Rwodzi, Glen Panashe Vengai  
 Ryklief, Candice Cathrine  
 Saieva, Marco (*cum laude*)  
 Salie, Nabeelah (*cum laude*)  
 Schlünz, Wilhelm Heinrich (*cum laude*)  
 Schoeman, Charl (*cum laude*)  
 Schoeman, Stephanus Johannes (*cum laude*)  
 Sekhauelo, Tebogo Mokgadi (*cum laude*)  
 Sheik Rahim, Fatimah  
 Shell, Aqua  
 Simpson, Marcel Jean-Marié  
 Smit, Carl  
 Smith, Melody-Zavia  
 Snyders, Dalmaine Mitch Duedat  
 Sopeng, Tumelo Louisa  
 Sprout, Tiffany Kirstie  
 Stadler, Melandé  
 Sunge, Muneerah Begum  
 Swart, Christina Magdalena  
 Symington, Burger (*cum laude*)  
 Taffa, Thando  
 Tayob, Ammaarah Rishaad  
 Truter, Gabriel Jacobus  
 Turkstra, Hilde (*cum laude*)  
 Van der Merwe, Brenden Dawid  
 Van der Merwe, Jaco Daniël (*cum laude*)  
 Van der Merwe, Shirley Elizabeth (*cum laude*)  
 Van Rooyen, Palesa Mandie  
 Van Schoor, Abrie  
 Van Zyl, Rashaad Elton  
 Victor, Carmen  
 Viewe, Mikhyla  
 Vivier, Christine (*cum laude*)  
 Vivier, Meije (*cum laude*)  
 Waltman-Lotz, Tracy (*cum laude*)  
 Wardle, Carmé Lorcía  
 Wehrli, Daniel Philip  
 Wiid, Gregory John (*cum laude*)  
 Wiid, Gustav Rudolf  
 Xashimba, Nthabiseng  
 Yang, Zuei-Lian  
 Yorke, Ezra Seth  
 Zaayman, Nicole (*cum laude*)  
 Zake, Chulumanco Melissa  
 Zalgaonkir, Bibi-Fatima



HOME

## **Faculty of Medicine and Health Sciences (Group 2)**

6 December 2022 | 13:00

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## **Fakulteit Geneeskunde en Gezondheidswetenschappen (Groep 2)**

6 Desember 2022 | 13:00





## Programme

*Please stand*

1. Entrance of academic procession into the hall.

*Please stand*

2. Playing of the National Anthem.

*Please sit*

3. Congregation formally constituted by the Chancellor.

4. Welcome by the Chancellor.

5. Presentation of candidates receiving qualifications by the dean of the faculty and conferment of qualifications by the Chancellor.

6. Introduction of the candidates for the Chancellor's Awards and presentation of the awards by the Chancellor.

7. Closing by the Chancellor.

*Please stand*

8. The academic procession leaves the stage.

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## Program

*Staan asseblief*

1. Akademiese prosesie kom die saal binne.

*Staan asseblief*

2. Speel van die Nasionale Lied.

*Sit asseblief*

3. Formele konstituering deur die Kanselier.

4. Verwelkoming deur die Kanselier.

5. Voorstelling van kandidate wat kwalifikasies ontvang deur die dekaan van die fakulteit en toekenning van kwalifikasies deur die Kanselier.

6. Voorstelling van kandidate vir die Kanselierstoekennings en oorhandiging van die toekennings deur die Kanselier.

7. Sluiting deur die Kanselier.

*Staan asseblief*

8. Akademiese prosesie verlaat die verhoog.



# Faculty of Medicine and Health Sciences (Group 2)

## Fakulteit Geneeskunde en Gesondheidswetenskappe (Groep 2)

DOCTORAL QUALIFICATIONS | DOKTORALE KWALIFIKASIES

### DOCTOR OF PHILOSOPHY DOKTOR IN DIE WYSBEGEERTE

**ATUHAIRE**, Lydia (Public Health)

#### **HIV Continuum of Care Outcomes among Female Sex Workers in Kampala Uganda**

The study investigated service delivery approaches along the HIV care continuum for female sex workers in a routine care setting in Kampala, Uganda. It found that the effect of community-based interventions varies across the stages of the HIV care continuum. Furthermore, retention in care and viral load testing coverage were low, although female sex workers with HIV testing results showed good viral suppression rates. These findings support the notion that consistent monitoring and realignment of effective strategies along with the HIV care continuum are critical to sustain HIV control, but the provision of tailored services under differentiated care models for female sex workers need to be emphasised.

*Supervisor:* Prof P Nyasulu  
*Co-supervisor:* Prof CS Shumba (*external*)

**COETZEE**, Zelda (Occupational Therapy)

#### **A critical ethnography of the Vona du Toit Model of Creative Ability in the South African occupational therapy context**

The Vona du Toit Model of Creative Ability was developed in South Africa in the 1960s and has been used and taught in occupational therapy ever since. This study explored and described the original and contemporary philosophical assumptions underlying the model, as used by three generations of occupational therapists. Findings captured embedded and encultured creative ability mindsets pertaining to the model that remained similar to those developed originally. To broaden representation and inclusiveness for intervention in the South African occupational therapy context, the motivational pattern of the model between people, occupations and naturalistic-Afrocentric contexts requires further development.

*Supervisor:* Prof L van Niekerk  
*Co-supervisor:* Prof EM Duncan (*external*)

**CUTTLER**, Katelyn (Human Genetics)

#### **Investigation of Neurexin 2 as a Candidate for Parkinson's Disease**

This study focused on the incurable neurological disorder, Parkinson's disease. A novel sequence variant in the neurexin-2 gene in a South African family was identified. Using several *in vitro* functional studies and *in silico* modelling techniques, it was found that this variant may be linked to mitochondrial and synaptic dysfunction, which may lead to neurodegeneration. Two research articles, one review article and one book chapter were published during the study. This study makes an important and novel contribution to the Parkinson's disease genetics field and has laid a solid foundation for the design of future research projects.

*Supervisor:* Prof S Bardien  
*Co-supervisors:* Dr R Cloete (*external*), Prof M Farrer (*external*)

**DE KLERK**, Susanna Magdalena (Occupational Therapy)

#### **The validity of the Disabilities of the Arm, Shoulder and Hand (DASH) questionnaire in Afrikaans for the Western Cape of South Africa**

A four-phased approach comprising quantitative and qualitative components was used to guide the translation and cross-cultural adaptation of the Disabilities of the Arm, Shoulder and Hand (DASH) questionnaire into Afrikaans for the Western Cape. Novel approaches of community translation and shared decision making were employed. The Afrikaans for the Western Cape DASH questionnaire was successfully translated and cross-culturally adapted, with evidence of content, structural and cross-cultural validity for utilisation within the intended context.

*Supervisor:* Prof C Jerosch-Herold (*external*)  
*Co-supervisors:* Profs H Buchanan (*external*), L van Niekerk

**KUNSEVI-KILOLA**, Carine (Molecular Biology)

### **Characterization of human alveolar macrophages and blood monocyte-derived macrophages responses to *Mtb* in TB close contacts with and without type 2 diabetes**

Given that type 2 diabetes is a risk factor for infectious diseases such as tuberculosis, this study investigated whether diabetes alters the responses of different macrophage subsets to *Mycobacterium tuberculosis* (*Mtb*). It was found that alveolar macrophages from diabetes patients have a reduced ability to control *Mtb* and that responses of these macrophages vary from macrophages in the blood. Responses in the lung and blood are differentially regulated and may therefore influence responses and susceptibility to pulmonary infections. This work is particularly relevant to South Africa, which has a high tuberculosis burden and increasing numbers of people with type 2 diabetes.

*Supervisor:* Dr K Ronacher (*external*)  
*Co-supervisor:* Dr L Kleynhans

**MANTULA**, Fennie (Public Health)

### **Barriers to cervical cancer screening in Gwanda district, Zimbabwe: A mixed-method analysis**

This study explored factors that influence the low utilisation of cervical cancer screening services in Gwanda district, Zimbabwe – a unique area consisting of urban, rural and mining populations, where no data exist. The study identified major barriers to cervical cancer screening at all levels of the socio-ecological model, implying that individual, interpersonal, community and health system-related factors contribute to challenges women face in accessing screening services. The findings from this study provide evidence for strengthening the current services in Zimbabwe and impetus for engagement with policymakers and programme managers with a view to strengthening the current national programme.

*Supervisor:* Prof V Sewram  
*Co-supervisor:* Dr Y Toefy

**ODUWOLE**, Odunayo Elizabeth (Public Health)

### **Investigating vaccine hesitancy in the City of Cape Town Metropolitan District**

Vaccination is increasingly challenged by vaccine hesitancy, which refers to the motivational state of being conflicted about or opposed to vaccination and which was identified by the World Health Organization in 2019 as one of the top 10 global health threats. This study used a combination of research methods to investigate vaccine hesitancy in Cape Town. It was found that existing vaccine hesitancy measurement tools have mainly been developed for and validated in high-income countries. In addition, the work revealed that vaccine hesitancy varies across vaccines, time and place, and that it is potentially influenced by misinformation, conspiracy theories, religion and concerns about safety.

*Supervisor:* Prof CS Wiysonge  
*Co-supervisor:* Dr H Mahomed

**SANGWENI**, Nonhlakanipho Felicia (Medical Physiology)

### **Prevention of Doxorubicin-induced cardiotoxicity with *Galenia Africana*: A mechanistic study**

This study investigated the cardioprotective potential of 5,7-DH and pinocembrin (Pin) against doxorubicin (Dox)-induced cardiotoxicity (DIC). Pin improved cardiac function in mice hearts without reducing the chemotherapeutic effect of Dox. Mechanistically, the study showed that 5,7-DH and Pin prevent DIC by mitigating autophagy, oxidative stress, mitochondrial dysfunction and apoptosis. Intellectual property due diligence is currently being performed on 5,7-DH.

*Supervisor:* Prof R Johnson  
*Co-supervisors:* Prof B Huisamen, Drs L Mabasa, D van Vuuren

**SWART**, Yolandi (Human Genetics)

### **Admixture mapping of TB susceptibility and the contribution of type 2 diabetes in a South African population**

The four scientific publications emanating from this study addressed three concerns: tuberculosis (TB), type 2 diabetes (T2D) and the analysis of populations with complex genetic ancestry from sub-Saharan Africa. It identified ancestry-specific genetic variants affecting gene expression between TB-T2D comorbid and T2D patients, as well as between TB patients and healthy controls. This work is of particular relevance to South Africa, afflicted by both TB and T2D, as many genetically diverse populations requiring unique analysis methods are present.

*Supervisor:* Prof M Möller  
*Co-supervisors:* Drs L Kleynhans, C Uren

**TAPFUMA**, Kudzanai Ian (Molecular Biology)

### **Antimycobacterial activity of ascidian fungal symbionts**

This study explored the use of fungal metabolites as anti-tuberculosis agents and the use of bimetallic iron oxide nanoparticles in enhancing the bioactivity of these metabolites. The methanol extract from the fungal isolate *Clonostachys rogersoniana* exhibited significant inhibitory activity against *Mycobacterium tuberculosis*, while naked silver iron oxide nanoparticles showed higher antimycobacterial activity compared to nanoparticles functionalised with the *C. rogersoniana* extract.

*Supervisor:* Dr V Mavumengwana  
*Co-supervisors:* Dr N Allie, Prof AG Loxton, Dr R Malgas-Enus



**VAN COLLER**, Ansia (Medical Microbiology)

### **Phenotypic and functional immune cell profiling of patients with primary immunodeficiency associated with mycobacterial infections in a tuberculosis endemic region**

Mendelian susceptibility to mycobacterial disease (MSMD), an inborn error of immunity relating to increased mycobacterial susceptibility, encompasses 15 genes within the Interleukin-12-Interferon- $\gamma$  (IL-12-IFN- $\gamma$ ) pathway. In this study, whole-genome sequencing identified novel disease-associated variants in 82% of MSMD-suspected patients. Significantly reduced levels of specific monocyte and lymphocyte subsets together with altered inflammatory cytokine production were observed. The transcription factor T-bet was significantly reduced in key immune cells. Despite commonalities in immune dysfunction, each patient had a unique phenotype, emphasising the importance of individual immune assessment in these underreported and understudied conditions.

*Supervisor:* Prof RH Glashoff

*Co-supervisors:* Prof M Esser, Dr B Glanzmann

**VERMEULEN**, Marion (Medical Virology)

### **The impact of individual donation nucleic acid testing for HIV and HBV on blood safety in South Africa**

In 2005, South Africa became the first country to introduce single-donation nucleic acid testing to assure blood transfusion safety. Nevertheless, residual risk of infection in blood recipients remains, predominantly due to donors being in the early window period. The six peer-reviewed publications emanating from this study entailed an investigation into residual risk and the epidemiology of HIV and hepatitis B in blood donors. The findings of this study contribute to making South Africa a leader in blood safety testing and residual risk modelling.

*Supervisor:* Prof GU van Zyl

*Co-supervisors:* Drs MP Busch, N Lelie (*external*), Prof A Welte

**WATSON-VAN ZYL**, Jeanine (Sport Science)

### **Exploring the role of exercise on thyroid function, postural control and neuroplasticity in individuals with hypothyroidism**

The study involved a novel approach to investigating exercise-induced neuroplasticity in the context of movement neuroscience. The findings identified moderate-intensity exercise as a complementary modality in improving thyroid-related quality of life, contributing knowledge to contemporary debates on treatment plans in hypothyroid patients. An original asynchronous tele-exercise design showed potential in reducing depressive moods and anxiety in this population, which may be meaningful, as risks of depression and anxiety are elevated in hypothyroidism. By using a translational approach, the study made a novel breakthrough in understanding exercise-induced neuroplasticity and postural control in individuals with overt hypothyroidism.

*Supervisor:* Prof K Welman

*Co-supervisor:* Dr B Sehm (*external*)

**WEBER**, Tariq Raool (Molecular Biology)

### **Investigation of underlying immune and endocrine mechanisms associated with dysregulated immune responses in TB and type 2 diabetes**

This study investigated alterations in immune and endocrine responses in contacts of tuberculosis patients with and without type 2 diabetes (T2D) in South Africa and Texas. It was found that patients from these two regions displayed distinct peripheral immune and endocrine profiles, that cytokine and hormone levels were altered in T2D patients and that changes in hormone levels in these patients correlated with poor mycobacterial control in immune cells. Lastly, the expression of various proteins in peripheral immune cells was affected by T2D. This study emphasises the importance of the endocrine system in tuberculosis susceptibility and pathogenesis in T2D patients.

*Supervisor:* Dr L Kleynhans

*Co-supervisor:* Dr K Ronacher (*external*)



HOME

# Faculty of Medicine and Health Sciences (Group 2)

## Fakulteit Geneeskunde en Gesondheidswetenskappe (Groep 2)

### OTHER QUALIFICATIONS | ANDER KWALIFIKASIES

#### Master of Science

##### Magister in die Natuurwetenskappe

Bartizal, Tom Jack (Molecular Biology) (*cum laude*)  
Coetzee, Johanna Adriana (Pharmacology)  
Coetzer, Kimberly Christine (Human Genetics) (*cum laude*)  
Conradie, Janica (Pharmacology)  
Courtney, Ingrid Joy (Clinical Epidemiology) (*cum laude*)  
Duprez, Didier Raphael Roger (Medical Physics) (*cum laude*)  
Florence, Gabriella Erin (Medical Physiology) (*cum laude*)  
Lenka, Matjeko (Clinical Epidemiology)  
Lerner, Anné (Pharmacology) (*cum laude*)  
Lochner, Ruan Dawid (Morphological Science)  
Louw, Vanessa (Pharmacology) (*cum laude*)  
Mahlangu, Tshogofatso Perseverance (Medical Virology)  
Masikantsi, Nenekazi (Molecular Biology) (*cum laude*)  
McCulloch, Megan Joy (Pharmacology)  
Mmotsa, Tshiamo Moshading (Epidemiology)  
Molopi, Dintle (Medical Physiology)  
Motha, Khethiwe Joice (Pharmacology)  
Moyo, Reuben Christopher (Epidemiology)  
Nyakubaya, Tafadzwa Dylan (Medical Virology)  
Olifant, Paulina (Medical Microbiology)  
Parker, Kauthar (Medical Physiology) (*cum laude*)  
Phogole, Cassius Maapea (Pharmacology)  
Rust, Thomas Martin (Human Genetics) (*cum laude*)  
Scott, Leeré Ann (Molecular Biology) (*cum laude*)  
Steinhobel, Amy Debra (Molecular Biology)  
Thage, Ramasela Lydia (Pharmacology)  
Van Reenen, Christoffel Jacobus (Medical Physics) (*cum laude*)  
Venter, Amanda-Jo (Medical Microbiology) (*cum laude*)

#### Master of Science in Sport and Exercise Medicine

##### Magister in die Natuurwetenskappe in Sport- en Oefeningeneeskunde

Janse van Vuren, Melissa (Sport and Exercise Medicine) (*cum laude*)  
Sadie, Willanie Marionetta (Sport and Exercise Medicine)

#### Master of Science in Sport Science

##### Magister in die Natuurwetenskappe in Sportwetenskap

Botha, Annette Jacolien (*cum laude*)  
Brandt, Rieta-Marie (*cum laude*)  
Schlewing, Jannick (*cum laude*)  
Van Wyk, Harry  
Watkins, Chantelise (*cum laude*)

#### Master of Public Health Nutrition

##### Magister in Voeding in Openbare Gesondheid

Mahlakwane, Mokganyetje Tshephisho Audrey (Public Health Nutrition)  
Gamata, Abongile Ursula (Public Health Nutrition)

#### Master of Human Rehabilitation Studies

##### Magister in Menslikerehabilitasiestudies

Lourens, Dirk Cornelus (Rehabilitation) (*cum laude*)

#### Master of Philosophy

##### Magister in die Wysbegeerte

Boy, Darryl Peter (Pulmonology) (*cum laude*)  
Coetzee, Francois (Health Professions Education) (*cum laude*)  
Fapohunda, Tomiwa Temitayo (Health Systems and Services Research)  
Gabriels, Charnotte Margot (Neuropsychiatry: Old-age Psychiatry)  
Geurtze, Etheline Olivia (Health Systems and Services Research)  
John, Thadathilankal Jess (Cardiology)  
Kleintjes, Wayne George (Health Professions Education)  
Ledibane, Tladi Daniel (Health Professions Education)  
Mbuyamba, Rachel Tshibola (Health Systems and Services Research)  
Mlaki, Damas (Neuropsychiatry: Clinical Neuropsychiatry)  
Mohosho, Mokoena Martins (Gynaecological Oncology)  
Nhlabathi, Sihle (Neuropsychiatry: Old-age Psychiatry)  
Nortje, Andre Jacques (Pulmonology)  
Ntshalintshali, Siphon Duncan (Rheumatology)  
Ramavhuya, Mulimisi (Family Medicine)  
Thapa, Santosh (Nephrology)  
Van Niekerk, Margaretha Susan (Paediatric Neurology)

#### Master of Occupational Therapy

##### Magister in Arbeidsterapie

Marume, Martin  
Swart, Alicia  
Van Greunen, Inga

#### Master of Nursing

##### Magister in die Verpleegkunde

Abrahams, Moira Faith  
Jonas, Lindill  
Moyo, Perseverance  
Smith, Lesley-Ann

#### Master of Therapeutic Nutrition

##### Magister in Terapeutiese Voeding

Koen, Leandri (Therapeutic Nutrition)  
Stansbury, Candice Rose (Therapeutic Nutrition)

#### Master of Physiotherapy

##### Magister in Fisioterapie

Delport, Estie (*cum laude*)  
Odendaal, Talita  
Way, Liesl

#### Master in Speech-Language Therapy

##### Magister in Spraak-Taalterapie

Theron, Margarita

## **Bachelor of Science Honours Honneurs-Baccalaureus in die Natuurwetenskappe**

Abdulla, Zohra Bibi (Pharmacology) (*cum laude*)  
Abrahams, Jody Anthony (Physiology (Medical)) (*cum laude*)  
Abrahams, Zayaan (Medical Microbiology)  
Al-Talib, Ilham Saad Salim (Molecular Biology)  
Andrews, Jasmine Cameron (Physiology (Medical))  
Augustine, Simoene Nicole (Pharmacology) (*cum laude*)  
Bezuidenhout, Ludick Wynand (Molecular Biology) (*cum laude*)  
Broom, Jessica Nicole (Reproductive Biology (Biochemistry)) (*cum laude*)  
Byrne, Nicky-Louise (Medical Virology) (*cum laude*)  
Calitz, Megan (Morphological Science) (*cum laude*)  
Cormick, Jessica Jane (Molecular Biology) (*cum laude*)  
De Jong, Jocelyn Jane (Pharmacology) (*cum laude*)  
De Lange, Johanna Maria (Anatomy) (*cum laude*)  
Fillis, Jaden Felix (Morphological Science)  
Giga, Dinisha (Physiology (Medical)) (*cum laude*)  
Govender, Justine Tia Tia (Pharmacology) (*cum laude*)  
Govender, Timeeka (Pharmacology) (*cum laude*)  
Hendricks, Tharwat (Medical Virology) (*cum laude*)  
Hurwitz, Jessica Sarah (Medical Microbiology) (*cum laude*)  
Ismail, Mishka (Molecular Biology) (*cum laude*)  
Jager, Herschelle-Lee Mornique (Physiology (Medical)) (*cum laude*)  
Janse van Rensburg, Lisa Jane (Pharmacology)  
Jubber, K-Lee Tisha (Physiology (Medical)) (*cum laude*)  
Kerven, Fatima (Molecular Biology)  
Ketse, Sesethu (Molecular Biology)  
Lambane, Risana (Pharmacology)  
Lipshitz, Marc Sydney (Physiology (Medical)) (*cum laude*)  
Lombard, Mia (Physiology (Medical)) (*cum laude*)  
Lospier, Kaylee Chantel (Physiology (Medical)) (*cum laude*)  
Mhlophe, Sinegugu Kholeka (Molecular Biology)  
Mkhize, Ntando Mamayi (Reproductive Biology (Biochemistry)) (*cum laude*)  
Mkonca, Mandisa Debbie (Morphological Science) (*cum laude*)  
Mohlake, Edwin Tshogofatso (Medical Microbiology)  
Mokoena, Pheladi Kelebogile (Morphological Science) (*cum laude*)  
Monyela, Nalang Shokaneng (Molecular Biology)  
Ngcobo, Mdumiseni Eliezer (Pharmacology)  
O'Connor, Armin (Molecular Biology) (*cum laude*)  
Parker, Mohamed Sadam (Physiology (Medical))  
Parker, Rachel Megan (Physiology (Medical)) (*cum laude*)  
Pretorius, Amy (Physiology (Medical)) (*cum laude*)  
Ross, Chelsey (Physiology (Medical)) (*cum laude*)  
Southway, Stephen Odhiambo (Physiology (Medical))  
Stead, Gareth James (Pharmacology)  
Tattersall, Megan May (Medical Microbiology)  
Van Niekerk, Joné (Physiology (Medical)) (*cum laude*)  
Van Rooyen, Leandre (Molecular Biology)  
Vickers, Stephanie Ann (Molecular Biology) (*cum laude*)  
Vilakazi, Siyanda Senamile (Morphological Science)  
Von Dewitz, Kim (Anatomy) (*cum laude*)  
Von Molendorff, Monique (Molecular Biology) (*cum laude*)  
Wentley, Garth Nicholas (Physiology (Medical)) (*cum laude*)  
Wolmarans, Anique (Physiology (Medical))  
Wood, Tanya (Morphological Science) (*cum laude*)

## **Bachelor of Science Honours in Sport Science Honneurs-Baccalaureus in die Natuurwetenskappe in Sportwetenskap**

Adendorff, Mia (Performance Sport)  
Allerton, Tj (Performance Sport) (*cum laude*)

Beyers, Celia (Performance Sport)  
Botes, Hendrika Susanna (Kinder Kinetics)  
Buys, Abigail (Kinder Kinetics) (*cum laude*)  
Coleridge, Zadanian Daylin (Performance Sport)  
Cunningham, Jayme Ann (Kinder Kinetics) (*cum laude*)  
Darries, Lian Alridge (Performance Sport)  
De Wet, Katrien (Kinder Kinetics)  
Du Toit, Hilda (Performance Sport)  
Emslie, Robyn Judith (Performance Sport) (*cum laude*)  
Faurie, Helena (Performance Sport)  
Heynes, Daniel Wesley (Performance Sport)  
Humphrey, Kathryn Charlotte (Performance Sport)  
Leatherby, Ryan (Performance Sport) (*cum laude*)  
Louw, Stephanie René (Kinder Kinetics)  
Lucas, Jordan Paul (Performance Sport)  
Mc Donald, Tamryn (Performance Sport)  
Mkhwanazi, Awande Nothando (Kinder Kinetics)  
Niemand, Ryno (Performance Sport)  
Oellermann, Tracey (Performance Sport)  
Olivier, Caitlyn Demi (Kinder Kinetics) (*cum laude*)  
Piggott, Leah Grace (Kinder Kinetics) (*cum laude*)  
Rodrigues, Guilhermina (Performance Sport)  
Samina, Raquel (Kinder Kinetics) (*cum laude*)  
Smith, Jani (Kinder Kinetics)  
Strydom, Lara (Performance Sport)  
Turchino, Mia (Kinder Kinetics)  
Turner, Jake (Performance Sport)  
Van Rooyen, Rieke Sophy (Performance Sport) (*cum laude*)  
Visser, Una (Performance Sport)  
Whiteboy, Ethne Robin (Kinder Kinetics)

## **Bachelor of Science Honours in Biokinetics Honneurs-Baccalaureus in die Natuurwetenskappe in Biokinetika**

Cullinan, Amy Jennifer Westphal (Biokinetics)  
Du Preez, Nicole Sandra (Biokinetics)  
Du Toit, Cara Suzaan (Biokinetics)  
Foster, Tessa (Biokinetics)  
Gunton, Marcus Jonathan (Biokinetics)  
Jeeva, Taahir Iqbal (Biokinetics)  
Kotwal, Ebrahim (Biokinetics)  
Labuschagne, Annelize (Biokinetics) (*cum laude*)  
Mupaya, Victoria Nyasha (Biokinetics)  
Myburgh, Liesje (Biokinetics) (*cum laude*)  
Pretorius, Nicole (Biokinetics)  
Smit, Christie (Biokinetics)  
Strydom, Tarine (Biokinetics) (*cum laude*)  
Tarpey, Tatum Claire (Biokinetics)  
Van den Berg, Michelle (Biokinetics)

## **Postgraduate Diploma in Addiction Care Nagraadse Diploma in Verslawingsorg**

Bührmann, Amy (*cum laude*)  
Bukani, Noxolo  
Gildenhuys, Helen Felicity (*cum laude*)  
Jacobs, Danyschka Ania Werner (*cum laude*)  
Madaka, Nosisa Cynthia  
Schroeder, Clyde  
Smith, Jimiri Brumilda  
Thuketana, Vulani Nwamencisi  
Thulare, Pulana Petronela  
Van Romburgh, Charlene  
Visagie, Monroe  
Vrolick, Leonice Rochelle

**Postgraduate Diploma in Family Medicine**  
**Nagraadse Diploma in Huisartskunde**

Bengole, Jonas Bonsuka  
Daniels, Laura Dorian  
Faasen, Jacobus Nicolaas (*cum laude*)  
Havemann, Wilna  
Kakelo, Olivia Nakadulu Nangulu Ndiina  
Kazembe, Ngoy Christian  
Mbo, Wema Bronx  
Melki Ep El Alam, Samira  
Moosa, Maimoona Adam  
Mulenga, Belay  
Mulenga, Kazadi Christian  
Nganga, Matondo Rively  
Nsenji Junior, Mutombo  
Owonibi, Temidayo Daniel  
Sumahili, Adolphe Lusamaki

**Postgraduate Diploma in Midwifery**  
**Nagraadse Diploma in Verloskunde**

Afrikaner, Stacey Macnolia  
Barnard, Gemma Lynne (*cum laude*)  
Cloete, Candice  
Fortuin, Mishka  
Kraukamp, Catmareshia Theodene  
Malotana, Akhona  
Mpambukeli, Lolwethu  
Nqambi, Thabisa Virginia  
Qayi-Mjulwa, Zezethu (*cum laude*)

**Postgraduate Diploma in Primary Care Nursing**  
**Nagraadse Diploma in Primêresorgverpleegkunde**

Blaai, Anela  
Buckle, Doret (*cum laude*)  
Buhlonyiwe, Lindelwa Zikhona (*cum laude*)  
Collins, Diana Sylvia  
Dyers, Candace (*cum laude*)  
Field, Saadiqah  
Fredericks, Augleen Maria Teslyn (*cum laude*)  
Harmth, Keryn (*cum laude*)  
Hlalukana, Bukiwe  
Hlanganisa, Yonela  
Joorst, Henrichia Nicole (*cum laude*)  
Joseph, Michell (*cum laude*)  
Kungwayo, Bongeka (*cum laude*)  
Langa, Thozama Sylvia  
Linnert, Valencia (*cum laude*)  
Mabasa, Serene (*cum laude*)  
Masogo, Maphuti Patience  
Mortlock-Scheepers, Charday Chlairinthina (*cum laude*)  
Nkubungu, Zimkhita (*cum laude*)  
Nyingwa, Noloyiso  
Nombande, Vuyowethu  
Poswayo, Sinoneliso Caster  
Pezisa, Thabitha  
Smit, Agnes Xoliswa  
Smit, Magda (*cum laude*)  
Thomas, Zoe (*cum laude*)  
Valentyn, Cherinda  
Van Schalk, Aleshia (*cum laude*)

**Post Graduate Diploma in Mental Health Nursing**  
**Nagraadse Diploma in Geestesgesondheidverpleegkunde**

Bopalamo, Mabedi Ninentia  
Chakela, Tlaleng Magdalene (*cum laude*)

Coangae, Kedibone Ida  
Heuvel, Rochelle Patricia  
Hooper, Lizette  
Jacobs, Magdalene  
James, Nathalie Elize (*cum laude*)  
Jele, Thandi  
Magagula, Busisiwe Felicia  
Ngxukume, Siphелеle  
Nkolanyane, Wendy Olivia  
Raciet, Shazaadee

**Postgraduate Diploma in Nursing Education**  
**Nagraadse Diploma in Verpleegonderwys**

Bergh, Michelle (*cum laude*)  
Moreira, Ilze  
Radyn, Margaretha Johanna Elizabeth (*cum laude*)  
Webber, Ilana (*cum laude*)

**Postgraduate Diploma in Peri-operative Nursing**  
**Nagraadse Diploma in Peri-operatiewe Verpleegkunde**

Bomvana, Nosisa  
Burger, Emli Heleen (*cum laude*)  
Hanise-Mtonjeni, Ziyanda  
Jonck, Ida- Lize (*cum laude*)  
Kali, Bongiswa  
Makinana, Siyanda  
Mthanti, Andile  
Nqose, Zukisa  
Phandula, Anam Ester  
Valentine, Lydia Roxanne (*cum laude*)  
Van Staden, Jamie-Leigh

**Postgraduate Diploma in Disability and Rehabilitation Studies**

**Nagraadse Diploma in Gestremdheid- en  
Rehabilitasiestudies**

Du Toit, Christiaan (*cum laude*)  
Duma, Kwanele Precious (*cum laude*)  
Khumalo, Princess  
Mogatle, Gaorobale Beatrice  
Msitshana, Alexandrina Sikelelwa (*cum laude*)  
Nicholas, Luigia Michea  
Tarato, Noluvuyo  
Umetor, Joyce Chimeicha (*cum laude*)

**Postgraduate Diploma in Medicines Development**  
**Nagraadse Diploma in Geneesmiddelontwikkeling**

De Villiers, Janetta Jacoba (*cum laude*)  
Geldenhuis, Mardi  
Jim, Mosibudi Onica  
Mzileni, Babalwa Azakhiwe Nancy  
Ndou, Tshifhiwa Adolphus  
Nombola, Kanya Azipiwe  
Rossouw, Michael Jacques (*cum laude*)

**Postgraduate Diploma in Medical Toxicology**  
**Nagraadse Diploma in Mediese Toksikologie**

Basilua, Ranny Ndonga  
Davies, Bronwen Beth (*cum laude*)  
Du Plessis, Lissinda Hester (*cum laude*)  
Hattingh, Neil (*cum laude*)  
Koni, Shalubinda Herve  
Laas, Andre  
Laas, Anël  
Mahoney, Scott Hayden Edward (*cum laude*)



Mödler, Karl-Heinz (*cum laude*)  
Ntshangase, Langelihle Pretty Hlalisiwe  
Pholosho, Pelle (*cum laude*)  
Rondganger, Kaylynn Mache  
Saaiman, Magdalena Catharina  
Sima, Nabeel (*cum laude*)  
Tiltmann, Jacqueline Veronica (*cum laude*)  
Van Greunen, Divan Gerald (*cum laude*)  
Van Koningsbruggen, Candice Anne (*cum laude*)  
Van Tonder, Aletta Johanna (*cum laude*)  
Vetten, Melissa Anne

### **Bachelor of Nursing Baccalaureus in Verpleegkunde**

Adonis, Aneeqah  
Booi, Tania Thimna  
Cornelissen, Lekisha Destiny  
Cronjé, Marcelle  
Dampies, Irudeano Shainlee  
De Kock, Shanay (*cum laude*)  
De Villiers, Rachel Lauren  
Du Toit, Johanna Catharina  
Everett, Kayleigh  
Fick, Marike  
Fourie, Lara Skye DL  
Gericke, Lizré  
Goussard, Chrisna (*cum laude*)  
Hugo, Suzanne Elizabeth (*cum laude*)  
James, Lize (*cum laude*)  
Jordan, Siphe  
Koorts, Lumé (*cum laude*)  
Leeuw, Christelle  
Loubser, Anlé  
Magagula, Nonophile Siphokazi  
Mangesi, Mhlahli  
Marinus, Roxanne Paulette  
Marnitz, Mika  
Marshall, Jessica Taylor (*cum laude*)  
Mhlanga, Aniter Polite  
Michau, Jenna-Mari (*cum laude*)  
Mnisi, Gugulethu Elizabeth  
Msweli, Phila (*cum laude*)  
Mulder, Susan-Mari  
Ndwandwa, Zizipho  
Nelson, Shevonne Elverine  
Ornelas, Sebrina (*cum laude*)  
Salehmohamed, Nabila Al-Karim  
Salie, Salmah (*cum laude*)  
Sayers, Jacqueline Anne  
Senekal, Chené  
Shandu, Mbhali Zinhle Hope  
Sithole, Siyanda  
Sundgren, Abigail Karina (*cum laude*)  
Vlok, Madell

### **Bachelor of Occupational Therapy Baccalaureus in Arbeidsterapie**

Apollos, Enya Mae  
Baartzes, Jada-Reese Lucia  
Badenhorst, Laura (*cum laude*)  
Beste, Mariëtte  
Brink, Amanda  
Copeman, Daniella Jade  
De Villiers, Jacomina Petronella  
De Waal, Alita  
Dwayi, Sanda Kwakho  
Exford, Tarryn Towanda

Francis, Nadia  
Gagela, Afika Bomkazi  
Hoosain, Naseera  
Huskisson, Michelle (*cum laude*)  
Ismail, Nuraan  
Jacobs, Zita Catherine Clair  
Kilian, Amy Frances  
King, Roslyn Emma (*cum laude*)  
Koseelan, Serlisha  
Kuchar, Inge  
Lakey, Emma Jessica Koopman  
Lichaba, Koena  
Moss, Nicole  
Oliver, Nicole  
Omar, Kauthar  
Pauw, Anzel  
Philander, Gabrielle  
Potwana, Thandolwethu Ayanda  
Prince, Dominique Elizabeth  
Prinsloo, Mia Christine (*cum laude*)  
Sokomani, Yonela Sibabalwe  
Solomons, Muthakkier  
Van der Bank, Corlia  
Vangeria, Zayaan

### **Bachelor of Science in Physiotherapy Baccalaureus in die Natuurwetenskappe in Fisioterapie**

Ainsworth, Tasha Anne (*cum laude*)  
Allison, Riaan Clifford  
Bandat, Sonika  
Barnard, Marizelle  
Bogopane, Tsitsi Mohau  
Botha, Anje (*cum laude*)  
Budhal, Shriya Nivarya  
Christoffels, Jayd Zemone  
Cloete, René  
Dugmore, Georgia Erin  
Ebrahim, Nadeen  
Gadeyne, Zoe Sophie Louise (*cum laude*)  
Greeff, Sanja (*cum laude*)  
Haricombe, Micaela  
Haswell, Hannah Micaela (*cum laude*)  
Hendricks, Tatum Keisha  
Khan, Mohammed  
Klopstra, Sarah-Jane (*cum laude*)  
Kock, Emily Mpho Janet  
Lloyd, Kyra Paige  
Lottering, Alphonse  
Maposa, Tinashe Nkosinathi  
Mason, Anaïs Toné  
McLean, Lisa Eugenia  
Meli, Christina  
Mol, Jessica (*cum laude*)  
Mpapama, Lelethu  
Ndebele, Pinki Precious  
Nel, Inge  
Parker, Zaahirah  
Pegram, Ghéte Michay  
Petersen, Naeema  
Randeree, Wasim Ismail  
Rossouw, Nina  
Scheepers, Michelle (*cum laude*)  
Siljeur, Juleiga  
Smith, Catherine Mae  
Trankle, Kirsten Petra  
Van den Berg, Wesley  
Van Heerden, Anja

Van Kamp, Misha  
Van Rooyen, Marna  
Van Straaten, Alandé  
Van Vuuren, Candice Jade  
Van Wyk, Nicolaas Jacobus

**Bachelor of Science in Dietetics**  
**Baccalaureus in die Natuurwetenskappe in Dieetkunde**

Allies, Kirstin Esther  
Betteridge, Mekayla  
De Villiers, Alexa Kim (*cum laude*)  
Elliott, Rosiemary Grace  
Garland, Meaka Jessy (*cum laude*)  
Grey, Bronwyn Mary Cameron  
Jordaan, Daniël Hanekom  
Kgoedi, Gareth Katlego  
Kruger, Nicolene  
Lambooy, Keri (*cum laude*)  
Lee, Megan May (*cum laude*)  
Lovegrove, Jenna Frances  
Maree, Jana  
Mccaig, Annabel Catherine  
Moerat, Uzayr  
Morris, Chloe Nicole (*cum laude*)  
Nkabinde, Thobile  
Rodrigues, Mikyle  
Shaulov, Deena Rachel  
Snell, Amaris Grace  
Steenkamp, Alvine  
Van Rijn, Estelle  
Visser, Nadia

**Bachelor of Speech-Language and Hearing Therapy**  
**Baccalaureus in Spraak-Taal- en Gehoorterapie**

Barend, Aldon Jermaine  
Behardien, Aminah  
Blake, Jenna  
Buchan, Jaimee Kate  
Cloete, Anet-Mari  
Du Plessis, Kristen  
Fourie, Lissa  
Galant, Taahirah  
Ganie, Zeenat  
Hattingh, Hanri  
Jantjes-Naidoo, Gerda  
Katnis, Jadine Faith  
Koekemoer, Gert Cornelius  
Mdzulwana, Sinovuyo Theo  
Mehale, Bahale Phaswa  
Moolman, Betavia Pauline  
Mpiti, Athenkosi Amanda  
Nieuwenhuys, Bianca  
Olivier, Francis  
Pietersen, Leana Jacqui  
Prins, Deslene Leana  
Rudolf, Cheron Lillian  
Smithdorf, Nicole Ceejay  
Veer, Carla  
Vermeulen, Amber Megan  
Wessels, Anna Catharina  
Wolf, Carla Michiaela  
Zimmermann, Siewellyn Francis

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HOME



## Faculty of Medicine and Health Sciences Fakulteit Geneeskunde en Gesondheidswetenskappe

### Daniel Ranna

Mister Ranna is an extraordinary employee who joined the Faculty of Medicine and Health Sciences in 2006. We admire his demeanour and always-ready-to-assist attitude. As the face of the Faculty, he is, for many of us, both the first and the last person we see on campus every day. He cheers up your day no matter what challenges you face. Mister Ranna has developed personal connections with nearly every staff member and has the uncanny ability to remember all our stories. Mister Ranna has consistently been an overachiever. His presence in our faculty made a big difference for many people over the past 16 years. He personifies Stellenbosch University's values of excellence, compassion, equity, respect and accountability, and we thank him for his admirable dedication.

Meneer Daniel Ranna is 'n uitsonderlike personeellid wat in 2006 by die Fakulteit Geneeskunde en Gesondheidswetenskappe aangesluit het. Ons bewonder sy behulp same ingesteldheid – 'n eienskap wat vir baie mense by die Fakulteit opmerklik is, aangesien hy vir baie van ons sowel die eerste as die laaste mens is wat ons elke dag op kampus sien. Meneer Ranna het die vermoë om jou dag op te helder, ongeag die uitdagings waarvoor jy te staan kom. Hy het persoonlike verbintenisse met byna elke personeellid en die ongelooflike vermoë om al ons stories te onthou. Meneer Ranna was nog altyd 'n uitblinker. Sy teenwoordigheid in ons fakulteit het vir baie mense 'n reuseverskil oor die afgelope 16 jaar gemaak. Hy verpersoonlik die Universiteit Stellenbosch se waardes van uitnemendheid, deernis, billikheid, respek en verantwoordbaarheid, en ons bedank hom vir sy prysenswaardige toewyding.

### Susan van Schalkwyk

Professor Van Schalkwyk is a leader and a teaching specialist in the health sciences, whose innovations feature projects that influence the work of students and staff, academia and industry. Her academic journey situated the Centre for Health Professions Education on an international stage and she has also served as educational advisor for some major USA-based funds. Attaining associate professorship in 2012 and full professorship in 2016, she continues to lead several development initiatives of the Faculty of Medicine and Health Sciences. Professor Van Schalkwyk's awards include a Distinguished Teacher Excellence award and a teaching fellowship, both from Stellenbosch University. Her inclusive and innovative leadership style is embedded in her daily practice.

Professor Van Schalkwyk is 'n leier en onderwysspesialis in die gesondheidswetenskappe wie se innoverende projekte die werk van studente en personeel, die akademie en die bedryf beïnvloed. Haar akademiese reis het die Sentrum vir Gesondheidsberoepse Onderwys op die internasionale verhoog geplaas en sy het ook as opvoedkunde-adviseur vir groot VSA-gebaseerde fondse gedien. Professor Van Schalkwyk is in 2012 en 2016 onderskeidelik tot medeprofessor en professor bevorder en is die leier van verskeie ontwikkelingsinisiatiewe by die Fakulteit Geneeskunde en Gesondheidswetenskappe. Haar toekennings sluit in 'n Toekenning vir Uitnemende Onderrig (Uitgelese Dosent) en 'n onderriggenootskap, albei van die Universiteit Stellenbosch. Haar inklusiewe en innoverende leierskapstyl word daagliks in haar praktyk toegepas.

### Tarryn Young

Professor Young is an expert in evidence-informed healthcare. She has authored over 150 academic articles and secured R150 million in research grants. Professor Young is the executive head of the Department of Global Health, head of the Division of Epidemiology and Biostatistics, and director of the Centre for Evidence-based Health Care. She collaborates with leading health and evidence-based institutions to advance the translation of science, and her links with the provincial and national departments of Health have advanced evidence-informed policies. The leadership she provides in research capacity building has positively embedded the scientific rigour and output of students and emerging and established researchers.

Professor Young is 'n kundige op die gebied van bewysgebaseerde gesondheidsorg. Sy is die outeur van meer as 150 akademiese artikels en het reeds R150 miljoen in navorsingstoekennings verkry. Professor Young is die uitvoerende hoof van die Departement Globale Gesondheid, hoof van die Afdeling Epidemiologie en Biostatistiek, en direkteur van die Sentrum vir Bewysgebaseerde Gesondheidsorg. Haar samewerking met van die voorste gesondheids- en bewysgebaseerde instellings ter bevordering van wetenskaptoepassing, asook haar verbintenisse met die provinsiale en nasionale gesondheidsdepartemente, het gelei tot bevordering van bewysgebaseerde beleid. Haar leierskap in navorsingskapasiteitsontwikkeling het 'n positiewe invloed op die wetenskaplike strengheid en werk van studente en opkomende en gevestigde navorsers.



HOME



## **Faculty of AgriSciences**

6 December 2022 | 17:00

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## **Fakulteit AgriWetenskappe**

6 Desember 2022 | 17:00



## Programme

*Please stand*

1. Entrance of academic procession into the hall.

*Please stand*

2. Playing of the National Anthem.

*Please sit*

3. Congregation formally constituted by the Vice-Chancellor.

4. Welcome by the Vice-Chancellor.

5. Presentation of candidate for the honorary doctorate and conferment of the degree by the Vice-Chancellor.

6. Presentation of candidates receiving qualifications by the dean of the faculty and conferment of qualifications by the Vice-Chancellor.

7. Introduction of the candidate for the Chancellor's Award and presentation of the award by the Vice-Chancellor.

8. Closing by the Vice-Chancellor.

*Please stand*

9. The academic procession leaves the stage.

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## Program

*Staan asseblief*

1. Akademiese prosesie kom die saal binne.

*Staan asseblief*

2. Speel van die Nasionale Lied.

*Sit asseblief*

3. Formele konstituering deur die Visekanselier.

4. Verwelkoming deur die Visekanselier.

5. Voorstelling van die eredoktorandus en toekenning van die eredoktorsgraad deur die Visekanselier.

6. Voorstelling van kandidate wat kwalifikasies ontvang deur die dekaan van die fakulteit en toekenning van kwalifikasies deur die Visekanselier.

7. Voorstelling van kandidaat vir die Kanselierstoekenning en oorhandiging van die toekenning deur die Visekanselier.

8. Sluiting deur die Visekanselier.

*Staan asseblief*

9. Akademiese prosesie verlaat die verhoog.

# HONORARY DOCTORATE | EREDOKTORSGRAAD

## Faculty of AgriSciences | Fakulteit AgriWetenskappe

The degree Doctor of Science in Agriculture (DScAgric), *honoris causa*, to  
Die graad Doktor in die Natuurwetenskappe in Landbou (DScAgric), *honoris causa*, aan

### Thomas Dreyer (Tommie) van Zyl

*for his leadership in South African commercial agriculture, his contribution to sustainable agricultural and conservation practices, and his commitment to creating development opportunities for small-scale farmers as well as promoting entrepreneurship and innovation.*

As a well-respected thought leader in the agriculture sector, Mr Thomas Dreyer van Zyl has been at the helm of the ZZ2 farming enterprise, an innovative fresh-produce company, for more than 20 years.

The company is a significant contributor to socioeconomic development in South Africa, creating multiple employment opportunities at various levels, including opportunities for emerging entrants and small-scale farmers.

Van Zyl has made noteworthy contributions to the development of sustainable agricultural and conservation practices. As an innovator, he regularly shares the global stage with peers, deliberating on sustainable solutions to secure the future of the agricultural sector. To him, entrepreneurship is imperative to be able to create sustainable economic value.

This alumnus of Stellenbosch University previously also served as director and vice-chair of the American-based Produce Market Association, and he chaired South Africa's Agricultural Produce Agents Council for seven years. He continues to serve as a director on various boards, and his expertise and achievements have earned him numerous local and international awards.

*vir sy leierskap in die Suid-Afrikaanse kommersiële landbousektor, sy bydrae tot volhoubare landbou- en bewaringspraktyke, en sy verbintenis tot die skep van ontwikkelingsgeleenthede vir kleinboere en die bevordering van entrepreneurskap en innovasie.*

As 'n hoog aangeskrewe denkleier in die landbousektor, staan mnr Thomas Dreyer van Zyl al langer as 20 jaar aan die stuur van die landbou-onderneming ZZ2, 'n innoverende varsproduktemaatskappy.

Die maatskappy lewer 'n belangrike bydrae tot sosio-ekonomiese ontwikkeling in Suid-Afrika en skep veelvuldige werkseleenthede op verskeie vlakke, waaronder geleenthede vir nuweling in die mark sowel as kleinboere.

Van Zyl het merkwaardige bydraes tot die ontwikkeling van volhoubare landbou- en bewaringspraktyke gelewer. As 'n innoveerder, deel hy gereeld die wêreldverhoog met eweknieë om te beraadslaag oor volhoubare oplossings om die toekoms van die landbousektor te verseker. Vir hom is entrepreneurskap noodsaaklik om volhoubare ekonomiese waarde te skep.

Hierdie alumnus van die Universiteit Stellenbosch het voorheen gedien as direkteur en ondervoorsitter van die Varsproduktemarkvereniging, wat in Amerika geleë is, en was sewe jaar lank voorsitter van die Suid-Afrikaanse Raad vir Landbouprodukgente. Hy dien steeds in heelparty direksies, en sy kundigheid en prestasies het om al etlike plaaslike en internasionale toekennings besorg.



HOME

### DOCTOR OF PHILOSOPHY DOKTOR IN DIE WYSBEGEERTE

**BARICHIEVY**, Kurt Russel (Soil Science)

#### **Evaluating soil and terrain variables in a production environment: Implications for Agricultural Land Assessment**

Agricultural land in South Africa is under pressure to produce more food from an ever-shrinking land base, as more land is converted to non-productive uses. This study highlights the importance of agricultural land and the accurate assessment thereof and increases understanding of production-based approaches at an operational scale through the novel combination of traditional methodologies and the application of newer technologies. This improved understanding aids in not only protecting current agricultural land that may have been previously undervalued, but also in providing an intuitive assessment tool to highlight the yield gap between potential and actual production levels.

*Supervisor:* Prof CE Clarke  
*Co-supervisor:* Dr AB Rozanov

**BURGER**, Nicholaas Francois Visser (Genetics)

#### ***Diuraphis noxia* biotypes ascribed through genotypic characterization and utilization of their endosymbiont, *Buchnera aphidicola***

*Diuraphis noxia* is an economically important aphid pest of wheat. Despite reproducing mostly through parthenogenesis, it has developed several resistance-breaking populations, called biotypes. This study investigated genetic differences in several of these biotypes through multiple analyses and released the first draft African *D. noxia* genome, which revealed unusual AT richness and many nucleotide polymorphisms between biotypes. Transcriptomic comparisons between biotypes and other aphids identified several salivary effector proteins for future research. Lastly, assembly of the genome of the aphid's endosymbiont, *Buchnera aphidicola*, suggests gene loss, the presence and inheritance of isolines and potential evidence for *Buchnera*'s transition to become an organelle.

*Supervisor:* Prof AM Botha-Oberholster

**KAWHENA**, Tatenda Gift (Horticulture Science)

#### **Formulation and application of novel bioactive edible coatings to extend storage and shelf life of pomegranate whole fruit and arils**

Pomegranate fruit is susceptible to a high incidence of postharvest losses and waste along the value chain due to a wide range of physiological disorders and mechanical damage, leading to spoilage. In this study, novel bioactive edible coatings were formulated and applied on whole pomegranate fruit to extend their storage duration and shelf life. Optimised coating containing Gum arabic, maize starch, lemongrass oil and glycerol showed great potential as a postharvest treatment for reducing losses and maintaining the quality of 'Wonderful' pomegranates. However, the combination of coatings with polyliners proved to be the most effective treatment to maintain the quality of 'Wonderful' pomegranates.

*Supervisor:* Prof UL Opara  
*Co-supervisor:* Prof OA Fawole

**MAHACHI**, Leo Nyikadzino (Animal Science)

#### **Beneficiation of *sericea lespedeza* for lamb worm control, meat production and preservation**

Lack of adequate nutrient supply and gastrointestinal helminthosis due to *Haemonchus contortus* threaten sheep productivity and meat quality. This study evaluated the potential of *sericea lespedeza*, a bioactive forage legume, to suppress helminths and modulate lamb meat production and shelf life. Dietary substitution of *sericea lespedeza* for lucerne in lamb feedlot diets up to 18,75% damaged adult *Haemonchus contortus* heads, maintained lamb growth performance, meat production and quality, but reduced total feed costs and meat lipid oxidation. The study concluded that *sericea lespedeza* may be beneficiated in lamb diets to reduce feed costs while maintaining lamb meat production and quality.

*Supervisor:* Prof C Mapiye  
*Co-supervisors:* Dr MC Marufu (*external*), Prof AO Aremu (*external*)



**MALGAS**, Rhoda Ronette (Conservation Ecology)

**A social-ecological systems approach to sustainable production of endemic Rooibos (*Aspalathus linearis*) and honeybush (*Cyclopia* spp.) species amongst agrarian communities in the Cape Floristic Region (CFR), South Africa**

How do we ensure sustainable fynbos biomass production to support the livelihoods of small-scale producers in the geographically delimited Cape Floristic Region? The question pertains to the uniquely South African small-scale rooibos (*Aspalathus linearis*) and honeybush (*Cyclopia* spp.) sectors. Social-ecological variables and their interactions were identified using Ostrom's Social Ecological Systems Framework (SESF), a novel undertaking for fynbos sectors. The study explored pathways and pitfalls to social-ecological system outcomes, such as sustainable harvesting, sustainable livelihoods and maintaining the ecological integrity of wild rooibos and honeybush populations. The resultant modified SESF may be applicable for advancing sustainability in other fynbos-based sectors.

*Supervisor:* Prof K Esler

*Co-supervisors:* Profs SM Jacobs, JHJ Schaminée (*external*)

**MOHAMMED**, Abubakar Sadiq (Wood Product Science)

**Properties of wood-plastic composites made from alien invasive tree waste and recycled low-density polyethylene for interior use in social housing**

Wood-plastic composites were manufactured from recycled low-density polyethylene and the biomass from the entire tree of invasive Port Jackson, including bark, twigs and leaves, in order to minimise manufacturing costs. The resulting wood-plastic composite boards are intended for use as insulation materials in low-cost RDP houses. Various blending ratios, particle sizes and press settings were tested with regard to their chemical, physical and mechanical properties and the optimum processing parameters were determined. In addition, the acoustical and thermal insulation properties, as well as fouling properties and behaviour in a fire, were tested. The boards were found suitable for use as insulation boards, while also meeting acoustical and safety requirements.

*Supervisor:* Prof M Meincken

*Co-supervisor:* Prof A Krause (*external*)

**MORKEL**, Russell George (Forest Science)

**Measuring and modelling dynamic moisture loss of pulpwood during rail transport in South Africa**

The study measured and modelled incremental moisture loss of wet pulpwood during freight rail transport. It was hypothesised that the faster, more turbulent airflow within the boundary layer of a train would result in more weight loss than comparable static controls. Laboratory wind tunnel simulations recorded a statistically significant 6,6% step-down in the weight of treatment payloads. Operational field experiments recorded smaller slipstream-induced weight losses (averaging 2,84%).

*Supervisor:* Prof PA Ackerman

*Co-supervisor:* Prof CB Wessels

**MULENGA**, Charles (Wood Product Science)

**Effects of mining pollution on tree growth and wood quality**

Mining-induced heavy metal dispersion often contaminates the soil in forests surrounding copper mines. This study investigated the effect of mining-induced heavy metal on the growth and wood quality of *Brachystegia longifolia*, one of the commercially important Miombo woodland species growing in a mining environment, as a function of distance and wind direction around an active copper mine in Mufulira, Zambia. The concentration of heavy metals in soil, leaves and wood was detected with X-ray fluorescence and atomic emission spectroscopy. The wood growth response was determined through growth ring analysis, anatomical characterisation, as well as determination of density and elemental composition. This study demonstrated that copper mining-induced heavy metal pollution and the subsequent metal stress affect the growth and anatomical characteristics of *B. longifolia*.

*Supervisor:* Prof M Meincken

*Co-supervisor:* Prof C Clarke

**PFUKWA**, Trust Mukudzei (Food Science)

**Bioprospecting South African indigenous fruit by-products as natural antioxidants in processed meat products**

Convenience foods market growth, consumer sophistication and increased food losses due to oxidative degradation have increased demand for natural antioxidants in processed foods. This study evaluated the potential of phenolic extracts from eight South African indigenous fruit by-products as natural antioxidants in processed meat products. Purified phenolic extracts from wild plum peel showed the highest antioxidant activity and its application at 450 ppm was less cytotoxic and reduced colour loss and oxidation, while maintaining sensory quality in beef patties relative to other extracts. Evidence suggests that wild plum peel extracts are a source of safe antioxidants in processed meat products.

*Supervisor:* Prof C Mapiye

*Co-supervisors:* Profs M Manley, O Fawole (*external*)

**SEMWOGERERE**, Farouk (Animal Sciences)

**Nutrients and phytochemicals in hempseed (*Cannabis sativa* L.) cake: Bioavailability and bio-efficiency for chevon production and quality enhancement**

The chevon industry is constrained by costly protein feedstuff, and research into alternative protein sources such as hempseed cake is paramount. The study evaluated the effects of incorporating hempseed cake into goat finisher diets on nutrient digestibility and the bioavailability of phytochemicals for chevon production and quality. Inclusion of hempseed cake in diets up to 100 kg dry matter did not affect nutrient digestibility and chevon production, but improved the bioavailability of phytochemicals, protein stability, fatty acids and flavour compound profiles in chevon. Goat producers can utilise hempseed cake as an alternative protein source with chevon health value, flavour compound and protein stability enhancing benefits.

*Supervisor:* Prof C Mapiye

*Co-supervisor:* Prof MC Marufu (*external*)

**TODD**, Melvi (Food Sciences)

### **Multi-stakeholder perspectives on food labels and the future of healthy eating**

The value creation potential, and possible formats, of nutritional and health information on food labels in South Africa was investigated using a mixed-method approach. Interviews revealed strong evidence for economic value creation potential, but concerns were raised about unequal distribution thereof, possibly tainting the opportunity. Health warnings and health star ratings on front-of-pack labels showed promise in assisting consumers in quickly identifying less healthful products, potentially assisting in healthier food choices and reducing the country's non-communicable disease burden. However, consumers who rely heavily on the informal food market with many unlabelled products will not benefit.

*Supervisor:* Prof E Joubert (*external*)

*Co-supervisors:* Profs G Sigge, T Guetterman (*external*)

**UUSHONA**, Tulimo (Animal Sciences)

### **Feeding value and biopreservative potential of *Acacia mearnsii* leafmeal for lamb meat production and quality improvement**

Meat production and supply currently fail to cope with increasing consumer demand due to animal feed shortages and increased post-harvest meat losses. This study evaluated the effects of substituting wheat bran with increasing levels of *Acacia mearnsii* leaf meal in lamb finisher diets on nutrient intake and digestibility, meat production and quality. Inclusion of *A. mearnsii* leaf meal up to 100 g/kg digestive matter improved nutrient intake and digestibility, growth and carcass attributes, without negatively affecting the health value and oxidative shelf life of meat. Valorisation of *A. mearnsii* leaf meal as a ruminant fibre source for meat production enhancement is recommended.

*Supervisor:* Prof C Mapiye

*Co-supervisor:* Prof P Strydom

**VAN WYNGAARD**, Elizma (Viticulture)

### **Investigation of fresh grapevine organs using infrared spectroscopy and chemometrics**

This study investigated the application of multiple chemometrics approaches to improve the understanding of the infrared spectral properties of fresh grapevine organs. Novel and advanced algorithms were applied to the dataset, aiming to optimise the accuracy of the prediction calibrations with the use of the most relevant information contained in the infrared spectra of fresh shoots, leaves and berries. The results showed increased accuracy for the quantification of nutritional content in grapevine plant material. The novel approach presented in this study may have relevant implications in viticultural studies as well as in the broader field of agriculture.

*Supervisor:* Dr JL Alexandre-Tudo

*Co-supervisors:* Drs E Blancquaert, H Nieuwoudt

**WESSELS**, Kirsten (Food Science)

### **Efficacy of bacteriophages Fo1a and S16 in the reduction of *Salmonella* on chicken carcasses in the processing environment**

Antimicrobial-resistant *Salmonella* linked to chicken meat causes severe illness and substantial economic loss. A proposed alternative to antimicrobials is the use of bacteriophages. Although proven effective in the laboratory, there is little information on the performance of bacteriophages in a food-processing facility. In this study, bacteriophages were applied via a designed spraying system in-line during chicken processing immediately after chlorine spin chilling, and found that the combined hurdle concept was able to reduce *Salmonella* incidence. These results pave the way for the future of food safety in South Africa by providing an effective alternative to high chemical doses to control *Salmonella*.

*Supervisor:* Prof PA Gouws

*Co-supervisor:* Dr D Rip



HOME

# Faculty of AgriSciences | Fakulteit AgriWetenskappe

## OTHER QUALIFICATIONS | ANDER KWALIFIKASIES

### Master of Science

#### Magister in die Natuurwetenskappe

David, Tayla Hazel (Sustainable Agriculture)  
Maesela, Lethabo Mologadi (Wine Biotechnology)  
Tsatsu, Seth Kwaku (Entomology) (*cum laude*)  
Zieff, Daniel (Wine Biotechnology) (*cum laude*)

### Master of Science in Agriculture

#### Magister in die Natuurwetenskappe in Landbou

Boshoff, Michaela Ann (Animal Science)  
Dreyer, Olga (Animal Science)  
Jordaan, Hannelet (Animal Science)  
Jordaan, Marisa (Animal Science)  
Khambule, Mhlengi Sboniso (Genetics)  
Louw, Amandrie (Entomology) (*cum laude*)  
Magqupu, Siphosethu (Animal Science) (*cum laude*)  
Masikane, Nonkululeko Nonsipho (Viticulture)  
Motsi, Hamond (Agronomy) (*cum laude*)  
O'Reilly, Ruth Mary (Animal Science)  
Samuels, Liam (Viticulture) (*cum laude*)  
Steyn, Juan (Horticultural Science)  
Steyn, Shannon (Animal Science)  
Theron, Johannes Stephanus (Agronomy)  
Toolo, Keboneilwe Boitumelo (Viticulture)  
Van der Vyver, Yolandi (Animal Science)  
Van Niekerk, Marguerite (Animal Science)  
Van Wyk, Daniël John (Animal Science)

### Master of Science in Conservation Ecology

#### Magister in die Natuurwetenskappe in Bewaringsekologie

Masaya, Jeremiah (Conservation Ecology)

### Master of Science in Food Science

#### Magister in die Natuurwetenskappe in Voedselwetenskap

Du Toit, Samantha Anne (*cum laude*)

### Master of Agriculture

#### Magister in Landbou

Annandale, Desmond Lawrence (Agricultural Economics)  
Campher, Roelof Petrus (Agricultural Economics)

### Bachelor of Science Honours

#### Honneurs-Baccalaureus in die Natuurwetenskappe

De Lorme, Nicole Hannah (Wine Biotechnology) (*cum laude*)  
Diljee, Riyana (Wine Biotechnology)  
Du Toit, Ashlee (Plant Pathology)  
Fourie, Justin-Lee (Wine Biotechnology)  
Hamersma, Jacobus Johannes (Plant Pathology) (*cum laude*)  
Henecke, Nicola Arend (Wine Biotechnology)  
Jacobs, Safiyah (Plant Pathology) (*cum laude*)

Marutha, Tebogo Mmanonyane Michelle (Plant Pathology) (*cum laude*)

Mpinga, Herman Mpoyi (Wine Biotechnology)  
Naude, Nathan (Wine Biotechnology)  
Njobe, Lilitha Mwasi (Wine Biotechnology) (*cum laude*)  
Padayachy, Tanika (Wine Biotechnology)  
Potgieter, Kirsty Hailey (Plant Pathology)  
Raletsena, Ngakoana Keamogetswe (Wine Biotechnology)  
Reid, Nikita (Wine Biotechnology)  
Roodt, Xander (Wine Biotechnology) (*cum laude*)  
Van Deventer, Mariana (Plant Pathology) (*cum laude*)  
Van Goeverden, Hannah Isabel (Wine Biotechnology) (*cum laude*)  
Van Heerden, Ezanne (Wine Biotechnology)  
Wolela, Fikile Nonela (Wine Biotechnology)  
Wucherpfennig, Kimberly (Wine Biotechnology) (*cum laude*)

### Bachelor of Agricultural Honours

#### Honneurs-Baccalaureus in die Landbou

Britz, Karla (Agricultural Economics) (*cum laude*)  
Cairns, Amy-Lee Moyes (Agricultural Economics)  
Clarke, Benjamin Charles Bernard (Agricultural Economics)  
Greeff, Christoffel Johannes (Agricultural Economics)  
Hanekom, Van Eeden (Agricultural Economics)  
Mbiat Petnkeu, Jeronya (Agricultural Economics)  
Mouton, Victor David (Agricultural Economics)  
Müller, Anya Engela (Agricultural Economics) (*cum laude*)  
Pule, Puleng Moremi (Agricultural Economics)  
Stringer, Cidney Jamie (Agricultural Economics)  
Van der Weshuizen, Stephanie (Agricultural Economics)  
Van Wyk, Odet (Agricultural Economics) (*cum laude*)

### Postgraduate Diploma in Aquaculture

#### Nagraadse Diploma in Akwakultuur

Dippenaar, Leanne Hayley  
Louw, Jacob Stolp  
Nosasa, Sinikile  
Van Breda, Suretha (*cum laude*)  
Willmot, Caleb

### Postgraduate Diploma in Forestry and Wood Science

#### Nagraadse Diploma in Bosbou- en Houtwetenskappe

Venter, Tertius (*cum laude*)

### Postgraduate Diploma in Agronomy

#### Nagraadse Diploma in Agronomie

Le Roux, Stephan  
Nakani, Kholosa Zintle

### Bachelor of Science in Agriculture

#### Baccalaureus in die Natuurwetenskappe in Landbou

Aartsma, Hanli (Animal Science)  
Anderson, Scott Samuel (Animal Science)

Aucamp, Armand (Plant and Soil Science)  
 Basson, Cherise (Animal Science)  
 Basson, Tobias Johannes Nicolaas (Plant and Soil Science)  
 Begg, Alyasa-A (Agricultural Economics)  
 Bekwayo, Tholakele Tania (Viticulture and Oenology)  
 Bennett, Nicholas Graham (Agricultural Economics)  
 Bester, Hendrik Balthazar Klopper (Plant and Soil Science)  
 Beukes, Juan (Viticulture and Oenology)  
 Bezuidenhout, Anja (Animal Science)  
 Blaauw, Henning (Viticulture and Oenology)  
 Blaauw, Jeremias Christiaan (Animal Science)  
 Bogopane, Tracy Lehlohonolo (Animal Science)  
 Botha, Kara (Viticulture and Oenology)  
 Broeksma, Anton Emil (Plant and Soil Science)  
 Coelen, Joshua Gregg (Viticulture and Oenology)  
 Conradie, Martha Louisa (Animal Science)  
 Cox, Douglas Roland (Animal Science)  
 Crookes, Calvin Sean (Plant and Soil Science)  
 De Beer, Danielle (Animal Science)  
 De Bod, Ruben Zjak (Plant and Soil Science)  
 De Jager, Lurika (Plant and Soil Science)  
 De Klerk, Matthew (Agricultural Economics)  
 De Ridder, Madeli Daphne (Animal Science)  
 De Waal, Lewellyn Henko (Plant and Soil Science)  
 Dijkerman, Misha Johanna Hendrina (Viticulture and Oenology)  
 Dreyer, Renata (Plant and Soil Science)  
 Du Plessis, Helette (Plant and Soil Science)  
 Du Plessis, Jan-Charl (Plant and Soil Science)  
 Du Plessis, Liam (Viticulture and Oenology)  
 Du Toit, Daniel Johannes (Agricultural Economics)  
 Du Toit, Francois (Plant and Soil Science)  
 Du Toit, Jan Stephanus (Plant and Soil Science)  
 Engelbrecht, Karyn (Plant and Soil Science)  
 Eygelaar, Petru (Plant and Soil Science)  
 Ferreira, Jana (Animal Science)  
 Ferreira, Nicole (Animal Science)  
 Firth, Sarah Janet (Viticulture and Oenology)  
 Fisher, Danielle Edmee (Plant and Soil Science)  
 Flemming, Stacey Kayla (Plant and Soil Science)  
 Fourie, Jean (Plant and Soil Science)  
 Fyall, Caitlin (Viticulture and Oenology)  
 Geldenhuys, David Antonie Krynaauw (Plant and Soil Science)  
 Gillham, Guy William (Agricultural Economics)  
 Goldberg, Amber Lynne (Agricultural Economics)  
 Hammett, Micaela (Animal Science)  
 Harms, Nicole Greta (Animal Science)  
 Harmse, Nina (Animal Science)  
 Hassiem, Ali-Imraan (Agricultural Economics)  
 Hols, Reinhard (Plant and Soil Science)  
 Hudson, Kaylee (Animal Science)  
 Human, Tristan (Viticulture and Oenology)  
 Hurter, Christi Wilmien (Animal Science)  
 Ismail, Mogamat Raeez (Plant and Soil Science)  
 Janse van Rensburg, Kara Rain (Plant and Soil Science)  
 Johnston, Emily Patricia (Plant and Soil Science)  
 Joubert, Johannes Stefanus Gideon (Agricultural Economics)  
 Kapp, Melissa Rolene (Plant and Soil Science)  
 Kennedy, Jenique Mejeno (Viticulture and Oenology)  
 Kirsten, Rosa (Animal Science)  
 Kluyts, Bea (Viticulture and Oenology)  
 Knoetze, Anneke Nicolien (Animal Science)  
 Krige, Michael Bruce (Animal Science)  
 Krige, Suzaan (Viticulture and Oenology)  
 Krischock, James Luke (Animal Science)  
 Kruger, Curtley Joshua (Viticulture and Oenology)  
 Kuhn, Franco (Viticulture and Oenology)  
 Lapersonne, Mark Joseph (Viticulture and Oenology)  
 Lategan, Jan Albert (Plant and Soil Science)  
 Lesch, Pieter Johann (Animal Science)  
 Louw, Albertus Johannes (Agricultural Economics)  
 Louw, Jacobus Adriaan (Viticulture and Oenology)  
 Mabitsetla, Mmakwena Velicia (Plant and Soil Science)  
 Magwaza, Amanda (Plant and Soil Science)  
 Maistry, Owain (Animal Science)  
 Makhubela, Lucky (Plant and Soil Science)  
 Martin, Glenn (Viticulture and Oenology)  
 Mbongwe, Khwezi Andile (Agricultural Economics)  
 Meijboom, Samuel Mendel (Animal Science)  
 Mlambo, Hloniphile (Plant and Soil Science)  
 Mngomezulu, Nkosinathi (Plant and Soil Science)  
 Mofokeng, Dimakatso (Agricultural Economics)  
 Mooka, Winnie (Plant and Soil Science)  
 Msomi, Lindelwa Panaso Queen (Viticulture and Oenology)  
 Nazar, Talia Emily (Viticulture and Oenology)  
 Neethling, Cornelius Johannes (Agricultural Economics)  
 Nel, Lara (Animal Science)  
 Nkambule, Sandile (Plant and Soil Science)  
 Opperman, Antoinette (Plant and Soil Science)  
 Phuza, Kwanele Thandeka (Agricultural Economics)  
 Pienaar, Hendrik Petrus (Agricultural Economics)  
 Pienaar, Johan Cornelissen (Plant and Soil Science)  
 Pienaar, Kyra (Plant and Soil Science)  
 Pretorius, Marelize (Agricultural Economics) (*cum laude*)  
 Quigley, Tristan (Animal Science)  
 Ramos, Daniela (Plant and Soil Science)  
 Rein, Luke Gerald (Plant and Soil Science)  
 Rheeder, Paul Johan (Plant and Soil Science)  
 Rix, Anke (Viticulture and Oenology)  
 Roos, Willem Francois (Plant and Soil Science)  
 Roux, Lutje (Agricultural Economics) (*cum laude*)  
 Ryan, Janke (Agricultural Economics)  
 Saaiman, Celene (Plant and Soil Science)  
 Schnugh, Monique (Animal Science)  
 Schultz, Keagan (Agricultural Economics)  
 Serfontein, Llewellyn (Viticulture and Oenology)  
 Smit, Stefan (Animal Science)  
 Smuts, John Conroy (Agricultural Economics)  
 Spencer, Douglas Rohan (Animal Science)  
 Spies, Chrisna (Viticulture and Oenology)  
 Spreeth, Barend Petrus (Plant and Soil Science)  
 Steyn, Stephen Sebastian (Animal Science)  
 Taylor, Ashtrolite Louise (Viticulture and Oenology)  
 Theron, Jan Antonie Alexander (Plant and Soil Science)  
 Theunissen, Katinka (Animal Science)  
 Trenti, Riccardo Teresiano (Viticulture and Oenology)  
 Van der Merwe, Danielle Jane (Animal Science) (*cum laude*)  
 Van der Merwe, Gideon Joubert (Plant and Soil Science)  
 Van der Merwe, Laurens (Animal Science)  
 Van der Watt, Heinrich (Viticulture and Oenology)  
 Van der Westhuizen, Cara (Plant and Soil Science)  
 Van Deventer, Lisa (Animal Science) (*cum laude*)  
 Van Lill, Marcell (Plant and Soil Science)  
 Van Niekerk, Jacobus Nicolaas (Plant and Soil Science)  
 Van Schalkwyk, Astin Lesley (Plant and Soil Science)  
 Van Schalkwyk, Elzette (Animal Science) (*cum laude*)  
 Van Wyk, Jancke (Plant and Soil Science) (*cum laude*)  
 Van Zyl, Gerrit Bruwer (Plant and Soil Science)  
 Viljoen, Monika (Animal Science)  
 Visagie, Lené (Viticulture and Oenology)  
 Wagenaar, Marizane (Animal Science)  
 Youldon, Joshua Chad (Viticulture and Oenology)



**Bachelor of Science in Forestry in Forestry and Wood Science**

**Baccalaureus in die Natuurwetenskappe in Bosbou in Bosbou- en Houtwetenskappe**

Mavuso, Senzo Llyod  
Mlozana, Songezo  
Mvelasi, Nkanyiso  
Plekker, Braden Michael Ewald  
Pope, Bryce Kevin  
Schwartz, Arno  
Van Zyl, Kate Hannah  
Venter, Tertius  
Zondi, Nobuhle Sisanda

**Bachelor of Science in Conservation Ecology**

**Baccalaureus in die Natuurwetenskappe in Bewingsekologie**

Beukes, Nàvan Alexander  
Burger, Nienke  
Coetzer, Christiaan Burger  
De Freitas, Elani  
Du Plessis, Marthinus Johannes  
Furst, Summer Leigh  
Gultig, Neil Francois  
Jodamus, Zion  
Lombard, Anderson  
Mitchell, Jemma Kate (*cum laude*)  
Ngxongo, Siphokazi Lindelo  
Perez, Jesse Isai  
Peter, Migcobo  
Raubenheimer, Inge  
Truter, Andre Fourie  
Van Rooyen, Rigardt Johan  
Vickers, Christy Diana

**Bachelor of Science in Food Science**

**Baccalaureus in die Natuurwetenskappe in Voedselwetenskap**

Apollis, Chad-Lee Mcneil  
Bergh, Jana  
Besselaar, Alaina (*cum laude*)  
Bester, Kiara  
Bhowon, Iksha (*cum laude*)  
Biehler, Heidi  
Boshoff, Ansoné  
Bosman, Danelle (*cum laude*)  
Botha, Nika  
Bredenkamp, Leah Maria  
Broeksma, Esme (*cum laude*)  
Burger, Madré  
Carolus, Rewaldo Deymar  
Coetzee, Lara  
Davids, Storm-Leigh  
Davin, Phoebe  
De Villiers, Nina  
Douglas, Naomi  
Du Toit, Jennifer  
Eksteen, Jean-Paul (*cum laude*)  
Gerryts, Jana  
Grain, Antonio Patrick  
Hennings, Danel Maria  
Jansen van Rensburg, Kyle  
Koloti, Kgalalelo Kamogelo  
Kotze, Judith Elisabeth  
Kritzinger, Elaine  
Lakaje, Tlotlego Gaositwe

Landman, Tabitha Lydia  
Lange, Melissa Jade (*cum laude*)  
Lotter, Jessica Kate  
Lutz, Rory Basil  
Nicolaou, Nastasia Desiree (*cum laude*)  
Ntsime, Lerato  
Ohlsson, Tarryn Amber (*cum laude*)  
Olivier, Jacques  
Pretorius, Elizabeth Catharina  
Rangxa, Chulekazi  
Rautenbach, Nicola Winifred  
Riley, Shaun Alexander  
Schreuder, Jana (*cum laude*)  
Trumpelmann, Micaela  
Van der Merwe, Lara  
Van Niekerk, Christel Lottie  
Van Schoor, Donne'  
Vosloo, Jesse Celeste (*cum laude*)  
Willcocks, Jenna Michelle

**Bachelor of Agriculture**

**Baccalaureus in Landbou**

Aucamp, Marthinus Wessel Wilhelmus  
Basson, Jan Hendrik  
Bester, Mathys Louis (*cum laude*)  
Bosch, Liria  
Burger, Antoinette  
Burger, Theunis Jacobus  
Calenborne, Thomas  
Conradie, Ockert Gerbrandt  
Dalbock, Jason  
Dale, Micaela Leigh (*cum laude*)  
De Kock, Hanli  
De Kok, Kalissa Toy  
De Sousa, Christopher Cardoso  
De Wet, Jacobus Stephanus  
Du Plessis, Matthew Francois  
Du Preez, Micardo  
Du Toit, Lian Willem  
Engelbrecht, Jack  
Engels, Annalou  
Grobbelaar, Da-Neil Du Plessis  
Hanekom, Willie Combrink  
Janse van Rensburg, Janco  
Janson, Charl  
Joubert, Heinrich  
Kotze, Anja (*cum laude*)  
Kotze, Jacobus  
Landman, Willem Johannes  
Le Roux, Duncan Stuart  
Lombard, Bianca  
Matthee, Gert Francois  
Naude, Heinrich Van Zyl  
Neethling, Pierre Wahl  
Oberholzer, Mariana  
Paxton, Steven Mark  
Perold, Christiaan Francois  
Pio, Hans Christopher  
Potgieter, Lise  
Skein, Thyo  
Smit, Johannes Petrus  
Snyman, Hanné  
Spies, Hendrik Petrus Johannes  
Streicher, Eric Matthys  
Stretton, Scott Alan  
Tailor, Roze Gibeton Mcyondo  
Tembo, Patricia Tanatswa

Terblanche, Simon  
Thiart, Tiani  
Thusi, Asanda  
Troskie, Jan Herman  
Uys, Abraham Mouton  
Van der Merwe, Hanro-Daniël  
Van der Westhuizen, Alida  
Van Dyk, Johan Engelhardt  
Van Greunen, Botha Breedt  
Van Greunen, Divan Jacques  
Van Heerden, Kaylee  
Venter, Adriaan  
Wasserman, Gerrit Thomas  
Williams, Tiago Dino Pestana  
Yardley, Alec Naim

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HOME



## CHANCELLOR'S AWARD | KANSELIERSTOEKENNING

### Faculty of AgriSciences | Fakulteit AgriWetenskappe

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#### Marena Manley

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Professor Manley made a significant contribution as educator and researcher in the Department of Food Science through supervision of 53 master's and 14 PhD students and 5 postdoctoral fellows. She has published 121 peer-reviewed publications and 9 book chapters and has presented at over 160 national and international conferences, including keynote lectures. Notable highlights are the Excellence Award for Grain Research and Technology in 2010 and an invited review article in the prestigious journal *Chemical Society Reviews* in 2014. Professor Manley also played a leading role in the establishment of Africa's first Vibrational Spectroscopy Unit at Stellenbosch University in 2018.

Professor Manley lewer 'n belangrike bydrae as opvoedkundige en navorsers aan die Departement Voedselwetenskappe by wyse van onder meer studieleiding aan 53 meestersgraad- en 14 PhD-studente en 5 nadoktorale genote. Haar bydrae sluit ook in 121 eweknie-beoordeelde publikasies en 9 boekhoofstukke en aanbiedinge by meer as 160 nasionale en internasionale kongresse, wat programredes insluit. Uitstaande hoogtepunte is die Toekenning vir Volgehoue Uitnemendheid in Graanavorsing en Tegnologie in 2010 en die uitnodiging vir 'n oorsigartikel in die gesogte vaktydskrif *Chemical Society Reviews* in 2014. Professor Manley het ook 'n belangrike rol gespeel in die vestiging van die eerste Eenheid in Vibrasiespektroskopie in Afrika aan die Universiteit Stellenbosch in 2018.



HOME

## National anthem | Nasionale volkslied

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Nkosi Sikelel' iAfrika  
Maluphakanyisw' uphondo lwayo,  
Yizwa imithandazo yethu,  
Nkosi sikelela, thina lusapho lwayo

Morena boloka setjhaba sa heso,  
O fedise dintwa le matshwenyeho,  
O se boloke, O se boloke setjhaba sa heso,  
Setjhaba sa South Afrika - South Afrika.

Uit die blou van onse hemel,  
Uit die diepte van ons see,  
Oor ons ewige gebergtes,  
Waar die kranse antwoord gee,

Sounds the call to come together,  
And united we shall stand,  
Let us live and strive for freedom,  
In South Africa our land.



Engage with us • Raak betrokke

## Stellenbosch University Alumni

Graduating from university is a big step in your life's journey. Once you have obtained your degree, you form part of the alumni community and

Stellenbosch University remains your intellectual home. The Alumni Relations Office believes the success of a university depends greatly on the participation of its alumni, therefore we strive to keep you connected to your alma mater long after the euphoria of obtaining your qualification/s has died down.

Om van 'n universiteit te gradueer is 'n groot stap in enigeen se lewensreis. Sodra jy jou graad verwerf het, vorm jy deel van die alumni-gemeenskap van jou universiteit en bly die Universiteit Stellenbosch jou intellektuele tuiste. Die Alumni-kantoor streef daarna om alumni met hul almal mater in verbinding te hou nog lank nadat die euforie van graadvang verby is.

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