GRADUATION CEREMONY

Faculty of Health Sciences

SARAH BAARTMAN HALL

14:00 – 14 December 2023

FACULTY OF HEALTH SCIENCES

ORDER OF PROCEEDINGS

Academic Procession.

(The congregation is requested to stand as the procession enters the hall)

The Presiding Officer will constitute the congregation.

The National Anthem.

Musical Item.

Welcome by the Master of Ceremonies.

The Orator will present Dr Mitchell Besser to the Presiding Officer for the award of an honorary degree.

The graduands and diplomates will be presented to the Presiding Officer by the Dean of the faculty.

The Presiding Officer will congratulate the new graduates and diplomates.

The Master of Ceremonies will make closing announcements and invite the congregation to stand.

The Presiding Officer will dissolve the congregation.

The procession, including the new graduates and diplomates, will leave the hall.

(The congregation is requested to remain standing until the procession has left the hall.)

NATIONAL ANTHEM

Nkosi sikelel' iAfrika
Maluphakanyisw' uphondolwayo,
Yizwa imithandazo yethu,
Nkosi sikelela, thina lusapho lwayo.

Morena boloka etjhaba sa heso,
O fedise dintwa la 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.

HONORARY DEGREE

Dr Mitchell Besser

Doctor of Science in Medicine *(honoris causa)*

Dr Mitchell Besser has a highly distinguished career as a public health and global health practitioner and clinician and should be recognized for his public services and meeting the public health needs of women living with HIV in this country and beyond. He founded the Mothers2Mothers (M2M) organization which he used as a channel through which mothers could support and empower each other in the period of being HIV positive during pregnancy. He made substantial social and economic impact from his interventions in societies in different countries.

Through M2M, 14.5 million individuals were reached with life-changing health services and education since 2001. 2.1 million women and children were helped to keep alive since 2001, who may otherwise have been at increased risk of maternal and child mortality. The M2M programme helped 4.4 million adults in staying HIV- negative over the past seven years alone. 1.2 million people living with HIV have accessed life-saving antiretroviral treatment since 2008.

Dr Besser had an impact in elevating the esteem of the University of Cape Town through his charitable and public health service on prevention of mother to child HIV transmission, which commenced while he was affiliated with the University. His work has epitomised the values of service, integrity, respect, fairness, courage, and responsibility – which have been at the core of every professional endeavour he has undertaken – and these are values that are also central to the University of Cape Town.

NAMES OF GRADUANDS/DIPLOMATES

The symbol † indicates that the qualification is awarded posthumously

1. FACULTY OF HEALTH SCIENCES

Dean: A/Professor L Green-Thompson

HIGHER CERTIFICATE IN DISABILITY PRACTICE

Nobaxolisi Aseni

ADVANCED DIPLOMA IN COSMETIC FORMULATION SCIENCE

Sibusiso Calvin Nkosi

DEGREE OF BACHELOR OF MEDICINE AND BACHELOR OF SURGERY

Siphelele Cebekhulu
Misbah Hoosen
Gabrielle Nicole Leong
Sechaba Felix Mara
Tefelo Mathibane
Zwakele Lilitha Mchiza
Zasenkosini Sphesihle Mjikwe
Matime Gervis Mphahlele
Vuyisa Nduneni
Puseletso Naomi Ntabe
Ramatsobane Tebogo Ratsoma
Mohammed Zubair Shaik Omar
Sinazo Vanqa

DEGREE OF BACHELOR OF SCIENCE IN AUDIOLOGY

Xolani Ignitious Bubu
Sulayla Harris
Yasmeen Hoosain
Mishkah January
Simphiwe Mnguni
Tabassum Ayesha Sulaiman

DEGREE OF BACHELOR OF SCIENCE IN PHYSIOTHERAPY

Phuti Phahledi Mohlapi

DEGREE OF BACHELOR OF SCIENCE IN SPEECH-LANGUAGE PATHOLOGY

Kelly Dale Harvey
Basheera Hendricks

POSTGRADUATE DIPLOMA IN DISABILITY STUDIES

Lineo Silvia Mophatlane

POSTGRADUATE DIPLOMA IN HEALTHCARE TECHNOLOGY MANAGEMENT

Lodumo Sibanda

POSTGRADUATE DIPLOMA IN HEALTH ECONOMICS

Ncomeka Ncomie Makalima

POSTGRADUATE DIPLOMA IN HEALTH PROFESSIONAL EDUCATION

Siphokazi Precious Gwiliza

POSTGRADUATE DIPLOMA IN INTERDISCIPLINARY PAIN MANAGEMENT

Chrystal Bernadette Johnson

POSTGRADUATE DIPLOMA IN PALLIATIVE MEDICINE

Magdalena Wilhelmina Faul (with distinction)

POSTGRADUATE DIPLOMA IN PESTICIDE RISK MANAGEMENT

Ziphozonke Fikeni

POSTGRADUATE DIPLOMA IN TB-HIV MANAGEMENT

Chishiba Clive Luchele Kabengele
Tshepiso Antonette Mabanga
Siyabonga Fana Mabuza
Muziwethemba Sakhile Madondo (with distinction)
Mmabotsha Elsie Mbhokota
Paul Kgatedi Meso
Bonisani Thandanani Mlaba
Livhuwani Precious Mudau
Luyanda Nomzamo Nkala
Sikelelwa Ntlazane
Anelisa Priscilla Pendlani
Zimasa Rafu-Makosa
Oltah Tshuma-Ncube
Sara Zwingert (with distinction)

DEGREE OF BACHELOR OF MEDICAL SCIENCE HONOURS

Pheziwe Luleka Mshunqwane
Siphamandla Mc Donald Ngwenya

DEGREE OF MASTER OF MEDICAL SCIENCE IN GENETIC COUNSELLING

Halalisani Londeka Mahlaba (with distinction in the dissertation)
Matshela Mpe
Willem Jacob Stander Pretorius
Kathrine Elizabeth Scholtz

DEGREE OF MASTER OF MEDICAL SCIENCE IN NUTRITION

Elzie Chebet Koech

DEGREE OF MASTER OF MEDICINE

Mohamed Faried Abdullah
Ellouise Chantel Adams
Samuel Adusei
Patrick Aleka-Umbe Aleka
Marion Jean Algar (with distinction in the dissertation)
Ashley Arakkal
Ahmad Mahmoud Ashwehdi
Neha Awasthi
Baheir Masud Baheir Baheir
Xikombiso Baloyi
Daniel Mishael Bengesai

Kirsty Leigh Berry (with distinction in the dissertation)
Bradley John Browne
Pilani Mbuso Bungane
Adam Msizi Carpenter (with distinction in the dissertation)
Chian-Jia Eden Chiu (with distinction in the dissertation)
Chun Yat Chu
Ronald Dalmacio
Sophie Angharad Davies-Van Es
Byron Gordon De John (with distinction in the dissertation)
Janet Lyndsay De Stadler (with distinction in the dissertation)
Anton Peter Doubell
Derrik du Toit
Dylan David Eave
Daniel Francois Erwee (with distinction in the dissertation)
Joseph Benedict Etonu
Nieleshen Govender (with distinction in the dissertation)
Manqoba Vusumuzi Gule
Dipika Haripersad
Graeme Peter Hofmeyr
Shakeel Hoosain
Hannah Sophia Hussey (with distinction in the dissertation)
Muzzammil Ismail (with distinction in the dissertation)
Michael Le Roux (with distinction in the dissertation)
Jan Hermanus Le Roux Jacobs (with distinction in the dissertation)
Rosa Jansen
Solomon Moffat Kanyambo Khalaomba Jere
Betty Kadenge
Nazmie Kariem
Abhaya Singh Karki
Mohammad Ishraque Shaukat Kathrada (with distinction)
Clare Frances Kennedy
Andries Kruger
Vuyiswa Boitumelo Kubeka (with distinction in the dissertation)
Jed Saul Lazarus
Simon Jacques Le Roux (with distinction in the dissertation)
Zakiyyah Bibi Mohmed Casim Limalia Essop
Destiny Annicia Links
Baba Machina
Melinkhov Mpho Makhwarene
Tinashe Nigel Mangozho (with distinction in the dissertation)
Danai Sylvia Mapimhidze
Malcolm Masikati
Qhamisa Babalwa Mbalo
Kedibone Mbanga
Akhona Maud Mbonisweni
Hendrike Mc Donald (with distinction in the dissertation)
Tome Azevedo Mendes
Sisalindele Zamakhize Mkhize (with distinction in the dissertation)
Allen Moodley
Prenisha Moodley
Nicole Morgan
Charles Moyo
Rephaim Thandanani Mpofu (with distinction in the dissertation)
Bayanda Buphelo Ndindwa
Colette Neethling (with distinction in the dissertation)
Sarahlouise Nsanta
Mnqobi Nxumalo
Khadar Ahmed Omar (with distinction in the dissertation)
Cleve Desmore Oppel (with distinction in the dissertation)
Amanda Julia Overmeyer
Bhavinkumar Girishbhai Patel
Mishkah Petersen
Willem Abraham Prinsloo Ras
Moegamad Salie
Este Sauerman
Lisa Michelle Seymour (with distinction in the dissertation)
Mihlali Simama
Amon Siveregi
Gurveen Kaur Soin
Zahida Sonday
Salvatore Ssemmanda
Noel Dominic Swai
Andries Petrus Swart
Kim Michelle Tabelião (with distinction in the dissertation)
Yolande Maryna Theron
Rebecca Monica Tibenderana
Kapenda Tshisola
Charl Francois Cornelis Van Heyningen
Simon Hans Veenstra
Barbara Vermooten
Douglas Brian Whistance
Matthew Craig White
Matthew Jeremiah Sitanda Young (with distinction in the dissertation)

DEGREE OF MASTER OF PHILOSOPHY

Zondiwe Lyson Banda
Enya Kuan-Han Chang (with distinction in the dissertation)
Wongani Chavula
Adriaan Daniël Geldenhuys
Jana Grobbelaar (with distinction in the coursework component)
Hayley Julius (with distinction)
Gloria Awedye Kalolo
Tyrian Laubscher (with distinction)
Botembetume Mokalali Maboso
† Adam Mabrouk Adan Denge
Nana Betse Morson
Lucca Olivia Munnik
Owen Chapweteka Mwale
Amberly Oosthuizen
Jonathan Nkonye Ramonyai
Pearl Tukwayo
Amy-Leigh Whittaker (with distinction)
Siphesihle Thembeka Zihlazi (with distinction)

DEGREE OF MASTER OF PHILOSOPHY IN ADDICTIONS MENTAL HEALTH

Shaun Brian Shelly

DEGREE OF MASTER OF PHILOSOPHY IN ALLERGOLOGY

Evelyn Wanjiru Nganga

DEGREE OF MASTER OF PHILOSOPHY IN BIOKINETICS

Robyn Toni Burrows (with distinction)
Zakirah Jaffer

DEGREE OF MASTER OF PHILOSOPHY IN CLINICAL HAEMATOLOGY

Justin Rudolph Du Toit

DEGREE OF MASTER OF PHILOSOPHY IN DEVELOPMENTAL PAEDIATRICS

Sashmi Moodley

DEGREE OF MASTER OF PHILOSOPHY IN EMERGENCY MEDICINE

Mohammed Khalid Alsufayan
Sarah Amy Higgins (with distinction in the dissertation)

Ruth Peggy Grace Lackay
Franz Gustav Lemke
Sbusiso Thokozani Sangweni (with distinction in the dissertation)

DEGREE OF MASTER OF PHILOSOPHY IN HEALTH INNOVATION

Thidilweli Denga (with distinction)
Maureen Dimitria Etuket (with distinction)
Leshego Novaliwe Ledwaba (with distinction)
Nongcebo Nokukhanya Mahlalela (with distinction in the coursework component)
Shannon Rachel Pincus (with distinction)

DEGREE OF MASTER OF PHILOSOPHY IN INTELLECTUAL DISABILITY

Sandiswa Thozama Mashologu

DEGREE OF MASTER OF PHILOSOPHY IN NEONATOLOGY

Evelyne Neema Assenga (with distinction in the dissertation)
Fitsum Weldegebriel Belay (with distinction in the dissertation)
Martha Franklin Mkony
Jesca Nakibuka

DEGREE OF MASTER OF PHILOSOPHY IN NEUROPSYCHIATRY

Lihle Mgweba-Bewana

DEGREE OF MASTER OF PHILOSOPHY IN OCCUPATIONAL HEALTH

Saajida Khan (with distinction)

DEGREE OF MASTER OF PHILOSOPHY IN PAEDIATRIC CRITICAL CARE

Elri Du Plooy (with distinction in the dissertation)
Linda Jane Riemer (with distinction)

DEGREE OF MASTER OF PHILOSOPHY IN PAEDIATRIC ENDOCRINOLOGY

Melezwa Ndamase

DEGREE OF MASTER OF PHILOSOPHY IN PAEDIATRIC GASTROENTEROLOGY

Lesego Ndhlovu

DEGREE OF MASTER OF PHILOSOPHY IN PAEDIATRIC INFECTIOUS DISEASES

Leonore Greybe

DEGREE OF MASTER OF PHILOSOPHY IN PALLIATIVE MEDICINE

Colleen Shan Cox
Linley Avant Holmes (with distinction in the dissertation)
Linessa Moodley (with distinction)
Mfanelo Sobekwa

DEGREE OF MASTER OF PHILOSOPHY IN PULMONOLOGY

Nevadna Singh

DEGREE OF MASTER OF PUBLIC HEALTH

Amirah Adnan Salman (with distinction in the dissertation)
Chad Africa (with distinction in the dissertation)
Emmanuel Yidana Ayamba
Bettina Buabeng-Baidoo (with distinction)
Nicola Burger (with distinction)
Sumaya Dadan
Pierre Clement Dane (with distinction in the dissertation)
Jessica Carolyn Davies (with distinction)
Munyaradzi Dhodho (with distinction)
Daniel James Stadler Egan (with distinction in the dissertation)
Krisna Els (with distinction)
Obioma Ezeogu (with distinction in the dissertation)
Emma Vera Finestone (with distinction in the dissertation)
Jamie Grant (with distinction)
Mumta Hargovan (with distinction)
Carryn James (with distinction in the dissertation)
Grace Kiarie (with distinction in the dissertation)
Omowamiwa Olugbenga Kolawole
Amohelang Justinah Lehloa
Bryan Mark Leonard (with distinction in the dissertation)
Hlombekazi Sybil Majokweni
Lethabo Makgoba (with distinction in the dissertation)
Ntseke Michael Makutoane
Kgahliso Raesetje Mangoale
Thandeka Mazubane
Demi Almaz Meyer
Renate Lenchen Meyer
Kudzai Susan Mkwakwami (with distinction)
Mazvita Shereen Mnangagwa
Clinton Moodley
Jessica More (with distinction in the coursework component)
Elani Muller (with distinction)
Carron Marilyn Naidoo (with distinction in the coursework component)
Semkelisiwe Ncube
Aurelie Nelson
Caroline Maria Neumuller
Kanyo Naledi Nqeto
Denis Okova (with distinction)
Foad Omran (with distinction in the dissertation)
Naadiya Orrie
Shrikant Maurice Peters
Mandy Sigametsi Phuti (with distinction)
Nirvana Shanalee Pillay
Carla Pool
Carley Danielle Prentice
Tasneem Rakiep (with distinction)
Mokhantso Esther Sekhesa (with distinction)
Mustafa Mahmoud Nasr Shuaib (with distinction)
Yashna Singh
Suniti Sinha
Ava-Clare Morgan Reilly Steed (with distinction in the coursework component)
Holijah Tan Uy (with distinction)
Mark Trevor Verryn (with distinction in the dissertation)

DEGREE OF MASTER OF SCIENCE IN AUDIOLOGY

Divaksha Dinesh Jinabhai (with distinction)

DEGREE OF MASTER OF SCIENCE IN BIOMEDICAL ENGINEERING

Cayleigh Tyla Brown
Graeme Robert Harris (with distinction)

DEGREE OF MASTER OF SCIENCE IN SPORTS AND EXERCISE PHYSIOTHERAPY

Mogamat Faeez Williams

DEGREE OF MASTER OF SCIENCE IN MEDICINE

Demelash Ataro Ambushe (with distinction)
Atoosa Amel (with distinction)
Nikhil Hasmukh Amtha
Delia Batteson (with distinction)
Tafadzwa Edwin Chimbetete (with distinction)
Christen Da Costa
Siyavuya Fikamva (with distinction)
Chardae Friedberg (with distinction)
Lidia Sharman Green
Marc Eric Henry (with distinction)
Hundaol Girma Hordofa (with distinction)
Maryam Karaan (with distinction)
Maahir Kauchali (with distinction)
Zahra Logday
Mulalo Magadze
Pamela Maimela (with distinction)
Kegomoditswe Malebo (with distinction)
Salizwa Malindi
Andisiwe Malo (with distinction)
Kassim Babu Mapondela
Nosipho Busisiwe Masina
Grace Mayuni (with distinction)
Amanda Chumani Menzele
Laurie Kate Milligan (with distinction)
Ruvimbo Dephine Mishi (with distinction)
Reneilwe Valencia Modibedi (with distinction)
Thembisa Monki
Ruth Mphahlele (with distinction)
Luyanduthando Mqadi
Temwa Dango Mwambene (with distinction)
Yuseung Nam
Takunda Lameck Ngwenya (with distinction in the dissertation)
Fadi Nkoma Fakih (with distinction)
Sandile Ntuli
Charmaine Natasha Nyakonda (with distinction)
Aishah Oluwakemi Olagunju (with distinction)
Winstar Mokua Ombuki (with distinction)
Lara Paul (with distinction)
Caryn Johanna Rajh
Simone Rossouw (with distinction)
Cassi-Lee Rubin (with distinction)
Mogamat Taariq Salie (with distinction)
Waldo Scheepers
Akua Yeboah Senyah
Chanel Irene Steele (with distinction)
Christina Cecelia Simoes Steyn (with distinction)
Teresa Julieta Simoes Steyn (with distinction)
Phillip Ivan Swanepoel (with distinction)
Nadine Tambwe (with distinction)
Gabriella Mia Wilensky
Gavin Luke Williams (with distinction)
Simone Rose Williams (with distinction)

DEGREE OF MASTER OF SCIENCE IN OCCUPATIONAL THERAPY

Isaac Amanquarnor
Feroza Cassim
Reyna Makan
Tasneem Mohomed
Julie Anne van Veenendaal (with distinction)

DEGREE OF MASTER OF SCIENCE IN PHYSIOTHERAPY

Lisa Lauren Abrahams
Amy Leigh Louw (with distinction)
Tarryn Robyn Summerton

DEGREE OF MASTER OF SCIENCE IN SPEECH-LANGUAGE PATHOLOGY

Zahra Ismail Dawood (with distinction)
Layla Kamedien
Stefania Irene Kapoutsis
Raquel Sharon Le Roux (with distinction)

DEGREE OF DOCTOR OF PHILOSOPHY

Adeyemi Daniel Adetimehin
Thesis Title: *Insect succession and changes in the soil pH and electrical conductivity associated with decomposing pig carcasses on the Table Mountain National Park of the Western Cape Province of South Africa*

Adeyemi Adetimehin holds a BSc(Hons), with distinction, from the University of Benin, Nigeria, and began full-time study towards his MSc in Forensic Entomology in July 2019. In 2021, his MSc degree was upgraded to a PhD.

Adeyemi Adetimehin's thesis focuses on establishing baseline data on the assemblage and successional patterns of insects attracted to decomposing neonate and adult pig carcasses in each month across the spring, summer, autumn and winter seasons. He further compared the insect data generated from experimental studies with those previously documented on human cadavers within the region. He also investigated the impact of cadaver decomposition on the underlying soil chemistry across multiple seasons. The results from his experimental study revealed that the insects of forensic importance differed within and across seasons in the region, with substantial similarity with those collected from human remains. Furthermore, the results showed that cadaver decomposition increases the pH and electrical conductivity of the underlying soil, albeit differently across the seasons. These findings will be useful in estimating the season and time since death of deceased individuals within the Western Cape Province.

Supervisor: Dr M Heyns
(Ulster University, School of Medicine)
Co-supervisors: Dr D Finaughty
(University of Kent, School of Chemistry and Forensic Science);
Mr CG Mole (Pathology)

Zulfah Albertyn-Blanchard
Thesis Title: *The spatial distribution of injury mortality of children in the western geographic service area, City of Cape Town (2011-2015)*

Zulfah Albertyn-Blanchard completed her BSc in Molecular Cell Biology, BSc (Med)(Hons) in Physiology, and MSc in Medicine at UCT, and began full-time study towards her PhD in 2013.

Zulfah Albertyn-Blanchard's thesis focuses on developing an understanding of the leading causes of injury for children aged 0-17 years in the western geographic service area within the City of Cape Town, by utilising spatial analytical analysis to describe and visualise high risk suburbs for transport-related injuries. She integrates Forensic Pathology Services data for the period 2011-2015, 2014 ChildSafe data, South African Index of Multiple Deprivation data, and South African National Roads Agency data in her analysis. Her thesis starts by describing the pattern of injury deaths, highlighting unintentional injuries such as road traffic crashes (RTC) impacting most children, particularly males and children aged 5-9 years. This she attributes to behavior of males and lack of supervision of young children. She extends her research to highlight the importance of when and where the RTC injury took place considering the characteristics of the location, where the most deprived areas are most impacted.

Supervisor: Professor S Mathews (Paediatrics and Child Health)

Juanita Olivia Arendse
Thesis Title: *An assessment of the integration of palliative care in the health system of the Cape Metro District of South Africa*

Juanita Arendse trained as a nurse and has post-graduate diplomas in nursing education and administration. She obtained an MPH from UWC and began PhD studies in 2018 at the School of Public Health at UCT. She is a senior manager in the Western Cape Provincial Department of Health and Wellness.

Juanita Arendse's thesis assesses the integration of the new palliative care (PC) policy in the public sector health system of the Cape Metro District. She conducted four complementary studies, comparing the state of palliative care service delivery at baseline, in 2019, to 24-months into the initiative. In-depth discussions were held with key actors in this process: public sector senior, middle and NGO managers; the frontline managers, implementing teams and care beneficiaries– patients and their families. The study demonstrates that embedding new services such as PC into existing services, requires robust consultative policymaking. Involvement of frontline health workers, corporate governance role-players together with hands-on managers and supportive top management is required. PC is premised on compassion and promotes a compassionate health system, towards universal health coverage. The COVID-19 pandemic while catalyzing this service locally, exposed the PC gap globally and highlighted the need to include PC in pandemic planning.

Supervisor: Associate Professor VEM Zweigenthal (Public Health and Family Medicine)
Co-supervisor: Emeritus Associate Professor E Gwyther (Public Health and Family Medicine)

Clare Ann Bartels
Thesis Title: *The Siketha Ukuba Nempilo (SUN) (We choose to be healthy) project*

Clare Bartels completed her BSc Sport, Recreation and Exercise Science, BSc (Hons) Biokinetics and MA Exercise Science qualifications at the University of the Western Cape, and began her full-time study towards her PhD in 2012.

Clare Bartels' thesis investigates the association between the built environment and physical activity. Her study investigates two City of Cape Town municipality interventions: the MyCiTi Bus Rapid Transit (BRT) system and numerous upgraded and newly developed public parks. The BRT study identifies physical activity accumulated in a BRT transport journey in comparison with non-users of the system. Thereafter, uses the findings to model the health and economic benefits of active transport. The study on public parks measures park use and park-based physical activity after upgrade or development and compares the findings to similar non-upgraded parks. The study reports positive associations between the intervention use and physical activity. These findings are used to inform the City of the physical activity and health benefits of these interventions. These findings contribute to the scarcity of research on this topic in African and low- and middle-income settings and in settings with high income disparities.

Supervisor: Professor EV Lambert (Human Biology)
Co-supervisor: Professor T Kolbe-Alexander (University of Southern Queensland, Health and Medical Sciences)

Muhammad Naadir Ganief
Thesis Title: *Proteomics of physiologically relevant stresses on model mycobacterium tuberculosis organisms, and the effects on virulence*

Naadir Ganief completed his BSc at Stellenbosch University, and his BSc (Hons) qualifications at UCT, and began full-time study towards his PhD in 2015.

Naadir Ganief's thesis reports the effects of physiologically relevant stress on model Mycobacterium tuberculosis organisms. His work used Mass spectrometry-based proteomics to analyse the effects of oxidative and nitrosative stress as well the host available nutrient cholesterol on the proteomes of mycobacteria and correlate these changes with pathogens ability to infect and survive in macrophages. He also studied the proteomic differences and similarities between two macrophage cell lines, representing resident lung and circulating macrophages, when infected with mycobacteria. This work will be relevant for understanding the behaviour of mycobacteria in the host, and for informing future studies modelling mycobacterial behaviour.

Supervisor: Professor J Blackburn (Integrative Biomedical Sciences)

Sohair Geyer
Thesis Title: *Astrocyte-mediated immune modulation during mycobacterial infection*

Sohair Geyer completed her BSc and BSc Honours degree from the University of Cape Town.

Sohair Geyer's thesis used both culture and *in vivo* models to investigate the potential of astrocytes to modulate the host's immune response during central nervous system tuberculosis. She showed for the first time that astrocytes can act as host cells for *M. tuberculosis* bacilli, the pathogen which causes tuberculosis. Using transcriptomic analyses, her studies definitively demonstrate differential gene expression in astrocytes during infection and identified key metabolic pathways that regulate inflammation and blood brain barrier function during infection. This study has implications for the identification of novel molecular targets that can be used as biomarker identifiers of disease or for therapeutic intervention.

Supervisor: Professor M Jacobs (Pathology)
Co-supervisor: Dr N-J Hsu (Pathology)

Nicole Goldberg
Thesis Title: *Strategies for people with intellectual disability to engage in social policy-related self-advocacy in South Africa*

Nicole Goldberg completed her BSc in Occupational Therapy, and MPhil in Intellectual Disability qualifications at UCT. She began her PhD in 2020.

Nicole Goldberg's thesis investigates strategies for people with intellectual disability to self-advocate for inclusion of their priorities in social policy processes in South Africa. Data triangulation identified three core strategies for self-advocacy, specifically, (1) strategies for in-person self-representation in public spaces, (2) written communication strategies, and (3) engagement through social and other forms of media. Nicole Goldberg went on to develop a local self-advocacy toolkit which was reviewed by a group of young adults with intellectual disability. This study has shown that there are strategies for people with intellectual disability to participate in civic and political life, empowering them to challenge the status quo of society in which prejudice and stigma continue to impact on their exclusion. Nicole Goldberg has highlighted the significance of hearing the voices of people with intellectual disability in decisions that affect their lives.

Supervisor: Professor S Kleintjes (Psychiatry and Mental Health)

Tahira Kootbodien
Thesis Title: *Epidemiology and genetic risk factors of suicidal behaviour in South Africa*

Tahira Kootbodien obtained her MBChB degree and Master's in Public Health from UCT. She joined the Division of Human Genetics in 2017 and began part-time study towards her PhD.

Tahira Kootbodien's thesis investigates the burden of suicidal behaviour, focusing on the associated environmental and genetic risk factors and how individuals at risk accessed the healthcare system in the year before suicide. She combined data from various sources and applied a range of methodological approaches to identify who is most at risk and opportunities for targeted suicide prevention. More than two-thirds of cases visited a healthcare facility at least once in the year before suicidal behaviour, suggesting opportunities for intervention at outpatient and antiretroviral clinics and emergency rooms. Findings from genetic analyses show that identification and early treatment of co-morbid psychiatric disorders should be included in suicide prevention strategies. Her study findings suggest that monitoring suicide mortality data and linking electronic health records may provide opportunities for suicide surveillance that can help identify where prevention strategies should be allocated for maximum benefit.

Supervisor: Professor R Ramesar (Pathology)
Co-supervisors: Professor L London (Public Health and Family Medicine); Professor L Martin (Pathology)

Savarra Marie Mantzor
Thesis Title: *Optimizing learning & teaching on paediatric ward rounds*

Savarra Mantzor obtained her MD from Ben Gurion University in 2011. After specialising in Paediatrics at Our Lady of the Lake in 2014, she went on to complete a Global Health fellowship in Botswana through the Children's Hospital of Philadelphia, with special interest in clinical learning and teaching.

In an attempt to enhance medical trainees' self-efficacy beliefs regarding their ability to provide paediatric patient care, Savarra Mantzor's thesis sets out to improve the quality of paediatric ward round learning and teaching, specifically through the introduction of a structured bedside teaching model, SNAPPS (Summarize-Narrow-Analyse-Probe-Plan-Select); with simultaneous ongoing efforts to promote a favourable clinical learning environment and improve trainees' participation in, and sense of belonging to, a local community of clinical practice. Contrary to the literature, the study found that successful department-wide implementation of SNAPPS required ongoing efforts beyond a brief SNAPPS sensitization. However, with ongoing implementation support, several non-traditional uses of SNAPPS were identified; and overall the findings from this study showed that this structured bedside teaching model offers a holistic approach to maximize learning and teaching, addressing several learner and environmental needs concurrently.

Supervisor: Professor F Cilliers (Health Sciences Education)
Co-supervisors: Honorary Professor V Burch (Medicine); Dr T Arscott-Mills (Wake Forest School of Medicine, Pediatrics)

Noluthando Rearabetswe Manyisa
Thesis Title: *The genetics of non-syndromic hearing impairment in South Africa*

Noluthando Manyisa earned her BSc in 2014 from the University of the Witwatersrand and her BScMed Hons in 2015 from the University of Cape Town.

Noluthando Manyisa's thesis examines the genetics of non-syndromic hearing impairment in South Africans of Black, Mixed Ancestry, and Indian descent. She recruited 511 individuals with suspected hereditary hearing impairment from eight South African provinces and used whole exome sequencing to uncover pathogenic variants in 20 genes in a subset of familial cases, with 74% resolution rate. These include the discovery of a variant in RE1 Silencing Transcription Factor *(REST)* that had previously only been linked to hearing impairment in one other family. These findings highlight the importance of studying African populations for novel variants and genes discovery.

Supervisor: Professor A Wonkam (Pathology)

Thulani Clifford Masilela
Thesis Title: *How and why are different forms of evidence used in policy-making in the South African health sector? A case study of the National Core Standards and the Prevention-Of-Mother-To-Child Transmission (PMTCT) of HIV policies*

Thulani Clifford Masilela holds a Master of Arts (MA) degree in Clinical Psychology from the University of the Witwatersrand (WITS) and a Postgraduate Diploma in Health Management from the University of Cape Town. He is a Senior Manager in the Department of Planning, Monitoring and Evaluation in The Presidency.

Thulani Masilela's thesis examines how and why different forms of evidence are used in health policymaking in South Africa. As insider-led research, his work offers a unique perspective that considers general policy-making experience and two policy process cases: the development of the Prevention of Mother to Child Transmission of HIV (PMTCT) policy and programme (2002) and the National Core Standards policy (2011). Drawing from Walt and Gilson's (1994) policy analysis framework and Parkhurst's (2017) work on political institutions, Thulani illustrates that evidence use within South African health policy formulation is driven by powerful political actors and political expediency. Inspired by Shiffman and Smith's (2007) work, he also shows how powerful actors use issue-framing as a strategy in policy-making, although its influence is transient. Thulani concludes by proposing a future, transparent process that could enhance the use of evidence in health policymaking, building on the work of Liverani et al (2018).

Supervisor: Professor L Gilson (Public Health and Family Medicine)

Farai Mberi
Thesis Title: *Structural organization in 9-year-old HIV-infected children and HIV-exposed children*

Farai Mberi holds a BSc (Hons) in Biotechnology from the University of the Western Cape. Before joining UCT in 2017, he was a Biosafety officer at the National Biotechnology Authority of Zimbabwe.

Farai Mberi's thesis is centred on a cross-sectional study of the effects of HIV on the structural aspects of brain development in children. He uses brain imaging data to look at the integrity and architecture of white matter in children living with and exposed to HIV. He further investigates the links between cognitive deficits related to HIV and white matter abnormalities. Overall, his findings point to the influence of HIV infection on long-term white matter development and associated working memory function at nine years of age.

Supervisor: Dr M Holmes (Human Biology)
Co-supervisor: Dr M Jankiewicz (Human Biology)

Tatenda Murangi
Thesis Title: *Antigenic and immunological determinants of acute allergic susceptibility to meat in a uniquely defined cohort in the Eastern Cape*

Tatenda Murangi completed his undergraduate studies with a major in Tropical Disease Biology at Chinhoyi University of Technology, Zimbabwe. He started his Master's studies at UCT in 2019 and upgraded to a PhD in 2021.

Tatenda Murangi's thesis focuses on the role of parasite exposure in the development of alpha-gal syndrome. His study reports for the first time the presence of alpha-gal in *Ascaris lumbricoides* and two indigenous South African ticks, *Amblyomma hebraeum* and *Rhipicephalus evertsi*. He further shows the cross-reactivity of antigens from these parasites with serum from patients with alpha-gal syndrome. Finally, he reports on the nature of alpha-gal glycosylated proteins from these parasites, which may be responsible for allergic sensitization and development of alpha-gal syndrome. These findings are important in our understanding of the role of parasites in the development of emergent allergic conditions.

Supervisor: Professor M Levin (Paediatrics and Child Health)
Co-supervisor: Professor W Horsnell (Pathology)

Juliet Nagawa
Thesis Title: *Investigation of cardiac mechanics and mechanical circulatory support therapies in peripartum cardiomyopathy using machine learning and patient-specific computational modelling*

Juliet Nagawa holds a BSc in Mathematics and Statistical Sciences and a BSc(Hons) in Computational Finance from the University of the Western Cape, and a Masters in Mathematical Sciences from the African Institute for Mathematical Sciences (AIMS) and Stellenbosch University.

Juliet Nagawa's thesis mathematically and computationally investigates the mechanics of the heart

with peripartum cardiomyopathy, a rare form of heart failure in the last month of pregnancy or within the first five months after delivery, occurring predominantly in women of African ethnicity. Peripartum cardiomyopathy is diagnosed by excluding conditions with similar symptoms. Diagnosis is often delayed and the prognosis of treatment response and recovery is challenging. After developing patient-specific computational cardiac models of six patients, Juliet Nagawa first quantifies characteristics of cardiac mechanics in peripartum cardiomyopathy to enable differential diagnosis. She then shows that treatment with a left ventricular assist device requires tailoring for each patient to optimally improve the heart's function and mechanics. Finally, she develops prognostic artificial neural networks using clinical information from peripartum cardiomyopathy patients and results from the computational simulation and predicts patient outcomes six months after left ventricular assist device treatment.

Supervisor: Professor T Franz (Human Biology)
Co-supervisors: Professor NH Davies (Surgery); Dr KL Sack (Human Biology); Assistant Professor MS Sirry (American International University, Engineering and Computing)

Nolusindiso Ncitakalo
Thesis Title: *Factors associated with psychological distress among youth and adults living with HIV in South Africa*

Nolusindiso Ncitakalo completed her Honour's in Psychology and MA degree in Research Psychology at the University of the Western Cape. She has made significant contributions in the field of HIV while working as a Researcher in research councils as well as universities.

Nolusindiso Ncitakalo's thesis focuses on the factors associated with mental disorders and HIV-related stigma among people living with HIV in South Africa. She extended her research by conducting a systematic review of studies on prevalence and associations of depressive and anxiety disorders in people living with HIV in Southern Africa. She further investigated the prevalence estimates of depressive and anxiety disorders among people living with HIV in South Africa. She also developed a structural equation model to test hypothesized pathways between psychological distress, HIV status and exogenous variables. The findings of this study highlight a need for development and implementation of innovative holistic behavioural risk reduction, HIV prevention and mental health interventions. She used secondary data from the 2012 South African National HIV Prevalence, Incidence and Behaviour Survey, a nationally representative population-based household survey, which allows for the results to be generalised across the South African population.

Supervisor: Professor LC Simbayi (Psychiatry and Mental Health)
Co-supervisor: Professor JA Joska (Psychiatry and Mental Health)

Wendy Muriel Nefdt
Thesis Title: *The role of social capital and networks in the integration and implementation of health and human rights programmes amongst civil society organizations in Cape Town South Africa*

Wendy Nefdt holds an MA Degree (Cum Laude) in Social Welfare Programmes at the University of Stellenbosch, South Africa (2013). She is the Director of Epilepsy South Africa Western Cape and has been involved in shaping the development and promotion of disability rights programmes in communities.

Wendy Nefdt joined the Department of Public Health and Family Medicine at the University of Cape Town in 2010. She participated in a Learning Network (LN) for Health and Human Rights hosted by the Department that aimed to build agency for the realization of the right to health programmes amongst civil society organisations (CSOs). She located her research study within the LN to investigate whether and how social capital through a LN builds agency amongst CSOs. Utilizing qualitative case study methodology, the findings of the study show that social capital, particularly the development of cohesive relationships, built agency and resulted in collaborative and organizational outcomes for members. The findings generate new knowledge about how to integrate different conceptual fields (social capital, health and human rights) across which a paucity of literature currently exists. The dissertation opens new opportunities for scholarship and theory development in this field to realise health rights.

Supervisor: Professor L London (Public Health and Family Medicine)
Co-supervisor: Adjunct Associate Professor C Colvin (Public Health and Family Medicine)

Judyta Olszewski
Thesis Title: *Dental pathology and macrowear: a biocultural analysis of southern African holocene hunter-gatherers and hunter-herders*

Judyta Olszewski holds a BA (Honours) in Archaeology from Wilfrid Laurier University, Canada and an MSc degree in Human Osteology from Leiden University, the Netherland. She began full-time study towards her PhD in 2020.

Judyta Olszewski's thesis assessed the interplay of dental macrowear quantity, direction and oral pathology on archaeological southern African hunter-gatherers and -herders. She amalgamated findings on over 6000 teeth to report individual and population-wide health, diet and sociocultural behaviours across the southern African landscape over the last 11700 years. The multifactorial nature of the processes and the demographic impacts on their expression allowed her to elucidate the effectiveness of hunter-gatherer and -herder adaption to intrinsic and extrinsic forces. She successfully investigated the inter-related implications on this population's past lifeways, methodologically justifying the benefit of only assessing the teeth. She extends her research to pivot the sociocultural understanding of ancient populations using direct biology integrated against the environment to integrate the understanding that hunter-gatherers and -herders were thriving populations over millennia.

Supervisor: A/Professor V Gibbon (Human Biology)

Margaret Osler
Thesis Title: *Assessing the effectiveness of the ART programme in the Western Cape Province of South Africa through triangulation of context-appropriate population level routine monitoring and surveillance systems*

Margaret Osler completed her BS degree at the University of Colorado and her MPH at the University of Cape Town, prior to undertaking her doctoral research part- time while managing the strategic information portfolio in the Centre for Infectious Disease Epidemiology and Research. Margaret Osler's thesis demonstrates the feasibility of and optimal approach for establishing electronic HIV registers in South Africa. Combining electronic register data with other individuated population-wide routine health information, the thesis found that advanced HIV disease continued despite a decade of antiretroviral therapy availability, linked to the challenges in retaining all patients who started treatment in optimal care. Leveraging sequential guideline changes using a quasi- experimental study design, she was able to quantify antiretroviral therapy effectiveness at specific CD4 cell count threshold values, as well as the population level impact of these guideline changes. She demonstrated that many of the improvements in mortality due to treatment accrued due to service expansion while guidelines remained static, and that many of the same person-level associations with mortality, such as treatment interruptions, persisted in the era of pervasive life-long treatment for HIV.

Supervisor: Professor A Boulle (Public Health and Family Medicine)
Co-supervisor: Dr N Ford (Public Health and Family Medicine)

Sarosha Pillay
Thesis Title: *Towards integrated service delivery for children with autism spectrum disorder in the Western Cape Province of South Africa*

Sarosha Pillay completed her BSc. Occupational Therapy and MSc. Occupational Therapy at the University of the Western Cape. Sarosha Pillay's thesis investigates educational and other services for children with autism spectrum disorder (ASD) in the Western Cape Province, in response to a growing demand for these services. She performed a whole systems analysis of the South African education system for children with ASD; finding that current services are not meeting the needs of most children and their families. Many children with ASD were not in a school, contravening their right to basic education, or inappropriately placed with their needs not being optimally met. She also engaged with key stakeholders to explore their perspectives of current services and suggestions for future service delivery. From this work she proposes six key recommendations for service strengthening and implementation drivers for translation into practice. Sarosha Pillay's work could lead to improved services for South African children with ASD and their families, as well as being potentially relevant to other resource limited settings.

Supervisors: Emeritus A/Professor E Duncan (Health and Rehabilitation Sciences)
Co-supervisor: Professor P de Vries (Psychiatry and Mental Health)

Cornelius Johannes Frederik Reyneke
Thesis Title: *Evaluating the influence of machine-specific DRR parameters on the accuracy of X-ray simulation and orthopaedic 2D-3D reconstruction*

Cornelius Reyneke completed his BSc, BEng and MEng qualifications at University of Johannesburg, and began full-time study towards his PhD at UCT in 2016. Cornelius Reyneke's thesis details the development of a state-of-the-art software algorithm for reconstructing three-dimensional (3D) bone structure from a single two-dimensional (2D) X-ray image. The algorithm includes a specialised volume renderer for simulating X-ray images and a deformable statistical model of the human femur in a Bayesian inferencing framework. He then uses the algorithm to demonstrate the extent to which X-ray machine calibration settings influence the accuracy of these types of algorithms. Moreover, the renderer automatically adapts to X-ray machine calibration settings resulting in an increased accuracy of X-ray image simulations, as well as more accurate 2D-3D reconstructions. His work provides valuable insight into this previously overlooked facet of orthopaedic 2D-3D reconstruction and suggests that machine-specific calibration should be considered carefully when performing 2D-3D reconstruction.

Supervisor: A/Professor TEM Mutsvangwa (Human Biology)
Co-supervisors: Professor TS Douglas (late) (Human Biology); Professor T Vetter (University of Basel)

Solima Mohamed Abdalla Sabeel
Thesis Title: *Investigation of the anti-mycobacterial potential of atorvastatin on peripheral blood mononuclear cells infected with Mycobacterium tuberculosis*

Solima Sabeel completed her BSc (Hons) and MSc. qualifications at the University of Khartoum, Sudan. Solima Sabeel's thesis reports the potential killing capacity of atorvastatin pre-treatment on peripheral blood mononuclear cells following Mycobacterium tuberculosis infection. Furthermore, she investigates the apoptotic mechanism of atorvastatin using several apoptotic assays, such as the TUNEL assay, activation of caspase-3/7 caspase system, and release of lactose dehydrogenase. These findings confirm the immunomodulatory properties of atorvastatin which have great impact on the host-directed therapy approach against tuberculosis.

Supervisor: A/Professor R Guler (Pathology)
Co-supervisors: Dr M Oztruk (Pathology); A/Professor F Thienemann (Medicine)

James Cooper Spragg
Thesis Title: *Durability in male professional road cyclists*

James Spragg is an ex professional cyclist. After his cycling career, he completed a Master's degree in applied sports sciences. He is currently working with the Swiss professional cycling team 'Tudor Pro Cycling'.

James Spragg's thesis investigates the phenomenon of durability in male professional road cyclists, which is the ability to resist the onset of fatigue during prolonged cycling and thus the ability to put out the same power in a fresh and fatigued state. Prior to this thesis, this phenomenon had been identified within the literature, however, it had not been systematically studied. Therefore, the primary aims of this thesis were to i) synthesise the current research concerning durability; ii) investigate whether methodological artefacts in the hitherto research were influencing the current understanding of durability; iii) assess whether durability is trainable and which modalities of training may be beneficial to improve durability; iv) investigate if the intensity of prior work influences durability and v) to investigate the potential underlying physiological determinants of durability. The final goal was to summarise and integrate these new research findings, and identify avenues for future research.

Supervisor: A/Professor J Swart (Human Biology)

Shaun Lawrence Sutehall
Thesis Title: *Investigating selected new technologies applied to distance running: transcriptomic anti-doping tests and hydrogel carbohydrate drinks*

Shaun Sutehall holds a BSc (Hons) in Sport Science from the University of Brighton, the United Kingdom. He joined the UCT Faculty of Health Sciences in 2017 to commence his PhD studies. Shaun now works for Alder Hey Children's Hospital, leading several clinical research programmes.

Shaun Sutehall's thesis investigates two of the most hotly discussed topics in running: Erythropoietin (EPO) doping and the possible performance benefits of adding sodium alginate (claimed to improve gastric emptying and oxidation) to a carbohydrate drink during running. With respect to EPO doping, Shaun identified 29 whole blood and 10 peripheral blood mononuclear cell transcriptomic markers that can be used to enhance anti-doping efforts. On the topic of the potential benefits of adding sodium alginate to a carbohydrate drink, his investigations on the effects on gastric emptying rate and substrate oxidation showed that sodium alginate elicited a faster gastric emptying rate from 20 to 30 minutes after ingestion, but thereafter there were no differences. In addition, oxidation during endurance exercise was not improved. Combined, Shaun's findings contribute to enhancing current anti-doping tests and carbohydrate supplementation methods during endurance exercise.

Supervisor: A/Professor A Bosch (Human Biology)
Co-supervisor: Professor Y Pitsiladis (University of Brighton, Sport and Health Sciences)

Charle André Viljoen
Thesis Title: *Evaluating the impact of novel teaching methods in electrocardiography*

Charle Viljoen obtained the degree MBChB (with distinction) from the University of Pretoria in 2007, with the highest marks in the final year of study. After specialising in Internal Medicine at the University of Cape Town, he qualified as a Cardiologist with specialist interest in electrophysiology and cardiac devices.

Charle Viljoen's doctoral research explores the impact of novel teaching methods in electrocardiography (ECG) and establishes an evidence-based undergraduate curriculum for the teaching of ECG. As determined by a systematic review and meta-analysis, computer-assisted instruction was not more effective than other teaching methods in acquiring and retaining ECG competence. Further prospective observational work, however, confirmed that blended ECG learning accomplished significantly better levels of ECG competence and confidence than conventional face-to-face ECG teaching. Whereas mobile learning was found to be a time-efficient learning modality to achieve improved ECG diagnostic accuracy, a randomised controlled trial showed that these educational gains were not sustained over time. Finally, the work in this thesis demonstrates the importance of experiential learning in electrocardiography. Whilst reading for his PhD, Dr Viljoen created an online ECG learning platform and reference application that have been used by more than 30,000 students worldwide.

Supervisor: Honorary Professor V Burch (Medicine)
Co-supervisor: Emeritus A/Professor RS Millar (Medicine)

Carly Young-Bailie
Thesis Title: *NK and B-cell determinants of immunity to Mycobacterium tuberculosis in humans*

Carly Young-Bailie holds a BSc Honour's degree *(cum laude)* in Biochemistry from Nelson Mandela University and an MSc degree *(cum laude)* in Molecular Biology from Stellenbosch University. In 2019, she enrolled as a PhD candidate at the South African Tuberculosis Vaccine Initiative (SATVI).

Carly Young-Bailie's thesis focusses on gaining a better understanding of the role of natural killer (NK) cells in tuberculosis (TB) pathogenesis. Natural killer cells in the blood were shown to increase their functional activity during progression to TB disease, which appears to be dependent on bystander activation by T cells. Overall, NK cells in the blood are characterized as mature and activated during TB disease. She then investigated NK cells in human tissues, showing that NK cells in the lungs, lymph nodes and spleen are immature and less activated than the blood. More specifically, these immature NK cells with low functional potential are enriched in the TB lung relative to healthy lungs, thus identifying a key difference between health and disease. This thesis delves into the complex characteristics of NK cells during TB disease, offering insights into TB tissue immunology, with relevance in

development of new interventions, such as vaccines.

Supervisor: Dr V Rozot (Pathology)
Co-supervisor: Professor TJ Scriba (Pathology)

Marco Zampoli
Thesis Title: *Cystic fibrosis in South Africa: spectrum of disease, diagnosis and determinants of outcome*

Marco Zampoli completed his undergraduate medical degree at the University of the Witwatersrand in 1996 and completed his sub-specialisation in Paediatric Pulmonology at the University of Cape Town in 2009. He began part-time study toward his PhD in 2019.

Marco Zampoli's thesis provides the first comprehensive description of the epidemiology and outcomes of cystic fibrosis (CF) in South Africa (SA), after he established the national CF registry in 2018. In addition to his work relating to the CF registry, he explored a new method (βeta-adrenergic sweat test) to diagnose CF where routine diagnostic tests are inconclusive. His work relating to the CF registry highlights important disparities in the diagnosis and health of people with CF both within SA and compared to wealthier countries that have access to new therapies, which are transforming the course of this life-limiting genetic disease. His work on CF in SA and resulting collaborations with international partners has provided an important platform for advocacy for people living with CF in resource-limited countries, who are currently being left behind by the revolution in CF treatment that is happening in wealthier countries.

Supervisor: Professor BM Morrow (Paediatrics and Child Health)
Co-supervisor: Professor HJ Zar (Paediatrics and Child Health)

DEGREE OF DOCTOR OF SCIENCE IN MEDICINE

Warwick John Peacock

Warwick Peacock obtained a BSc with distinction from Stellenbosch University, an MBChB from the University of Cape Town and completed Neurosurgical training at the University of Cape Town.

Over the course of his career, he has played a world-leading role in developing effective and safe neurosurgical interventions for children. The body of academic work for the degree Doctor of Science was done initially at UCT in refining the operation of lumbosacral selective dorsal rhizotomy (LSDR) for children with disabling spasticity due to cerebral palsy, and then at UCLA, operating on children with intractable epilepsy to control their seizures. Lumbosacral selective dorsal rhizotomy (LSDR) is one of the most successful surgical innovations from South Africa, and thousands of children continue to benefit worldwide every year from this procedure. Working with colleagues at UCT, he modified the operation to make it safer and was able to define criteria for selection of patients who would benefit from the operation, verified over decades of follow up.

Supervisor: Professor G Fieggen (Surgery)

ACADEMIC DRESS

OFFICERS OF THE UNIVERSITY

CHANCELLOR

The Chancellor wears a gown made from dark blue silk. The front of the gown has facings down each side made of dark blue velvet embroidered with a gold floral design. The gown and sleeves are lined with pale blue silk and the sleeves are looped up in front with a gold cord and button. The yoke of the gown is edged with gold cord. The gown is worn with a square blue velvet hat with a soft crown and gold tassel.

VICE-CHANCELLOR

The Vice-Chancellor wears a gown made from bright blue silk. The front of the gown has facings down each side and sleeve-linings of pale blue silk. The sleeves are looped up in front with a gold cord and button and the yoke of the gown is edged with gold cord. The gown is worn with a black velvet bonnet with a silver cord.

DEPUTY VICE-CHANCELLOR

A Deputy Vice-Chancellor wears a gown made from dark blue silk. The gown has closed sleeves with an inverted T-shaped opening at the level of the elbow to free the arms. The front of the gown has facings of light blue down each side. The sleeves are lined with light blue and the yoke of the gown is edged with silver cord. The gown is worn with a black velvet bonnet with a silver cord.

CHAIR OF COUNCIL

The Chair of Council wears a gown, of the same pattern as that worn by the Vice-Chancellor, made from light blue silk. The front of the gown has facings down each side and a yoke of dark blue. The sleeves are lined with dark blue and the facings and yoke are trimmed with gold cord. The sleeves are looped up in front with a gold cord and button. The gown is worn with a black velvet bonnet with a gold tassel.

MEMBERS OF COUNCIL

Members of Council wear graduate-pattern gowns made from black silk. The front of the gown has 10cm wide, light blue facings down each side trimmed with dark blue cord. The gown is worn with a black velvet bonnet with a blue cord.

REGISTRAR

The Registrar wears a gown made from black silk. The front of the gown has 10cm wide facings of blue silk down each side. The gown is worn with a black velvet bonnet with a white cord.

PRESIDENT OF CONVOCATION

The President of Convocation wears a gown made from black silk and has long closed sleeves with an inverted T-shaped opening at the level of the elbow to free the arms. The front of the gown has facings down each side and sleeves of blue silk. The gown is worn with a black velvet bonnet with a blue tassel.

UNIVERSITY ORATOR

The University Orator wears a gown of gold silk with bright blue silk facings and a yoke edged with gold cord. A black mortar board with a gold tassel is worn with the gown.

ACADEMIC DRESS (continued)

GOWNS

A plain black gown styled after the pattern of the Oxford scholar's gown is worn by diplomats, and Bachelor's, Honours and Master's graduands. Senior doctoral graduands wear a scarlet gown, with facings the colour distinctive of the faculty in which the degree is awarded. PhD graduands wear a scarlet gown without facings.

HOODS

The hood is particular to the qualification and the faculty. Diplomates and Bachelor's grdauands wear a black hood lined with white and edged with the colour distinctive of the faculty. Master's graduands wear a black hood lined with the colour distinctive of the faculty and edged with white, except in the case of the hood for the MMed degree, which is edged with red. Senior doctoral graduands wear a hood of the colour distinctive of the faculty and a black velvet bonnet with a cord of the colour distinctive of the faculty in which the degrees is awarded. PhD graduands wear a hood of scarlet lined with black and a black velvet bonnet with a cord of the colour distinctive of the faculty in which the degree is awarded.

DISTINCTIVE COLOURS

Faculty of Commerce	Yellow
Faculty of Engineering and the Built Environment	Green
Faculty of Health Sciences	Red
Faculty of Law	Old gold
Faculty of Humanities	Blue
Faculty of Science	Purple

VISION AND MISSION
UNIVERSITY OF CAPE TOWN

Vision

An inclusive and engaged research-intensive African university that inspires creativity through outstanding achievements in learning, discovery and citizenship; enhancing the lives of its students and staff, advancing a more equitable and sustainable social order and influencing the global higher education landscape.

Mission

UCT is committed to engaging with the key issues of our natural and social worlds through outstanding teaching, research and scholarship. We seek to advance the status and distinctiveness of scholarship in Africa through building strategic partnerships across the continent, the global south and the rest of the world.

UCT provides a vibrant and supportive intellectual environment that attracts and connects people from all over the world.

We aim to produce graduates and future leaders who are influential locally and globally. Our qualifications are locally applicable and internationally acclaimed, underpinned by values of engaged citizenship and social justice. Our scholarship and research have a positive impact on our society and our environment.

We will actively advance the pace of transformation within our University and beyond, nurturing an inclusive institutional culture which embraces diversity.

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Precious Moloi-Motsepe, MBBCh DCH *Witwatersrand* Dip in Women's and Reproductive Health *Stellenbosch*

Vice-Chancellor (Interim)
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Health Sciences:	Lionel Patrick Green-Thompson, DA FCA *CMSA* MBBCh MMed PhD *Witwatersrand*
Humanities:	Shose Kessi, PDBA *Witwatersrand* BA(Hons) *London* MSc PhD *LSE*
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Kasturi Behari-Leak, BA(Hons) HDE BEd *Durban-Westville* MEd *Cape Town* PhD *Rhodes*

Director of the Graduate School of Business
Catherine Duggan, BA *Brown* PhD *Stanford*

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Today is not the end of your relationship with the university but the beginning of a new phase in your continuing relationship with UCT, one that you share with the global UCT community of over 200 000 alumni. Wherever you choose to go, fellow UCT alumni will be there. Join UCT Alumni Connect, our bespoke social networking site for alumni. Membership is free and provides access to a global network of like-minded professionals, innovators, thought leaders and entrepreneurs. Join our virtual alumni community today and enjoy these member benefits:

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- Stay in touch with your alma mater
- Connect with thousands of UCT alumni
- Locate UCT alumni in your area using mobile GPS
- Access career mentorship opportunities
- Share images from your reunions and alumni events
- View notifications of UCT events taking place in your city
- Access UCT Careers Service support

You can sign-up in less than 2 minutes, utilizing your Facebook, LinkedIn or email credentials. Visit www.uctalumniconnect.com or scan the QR code, then click on the 'Join' link to sign up. It is that easy. Membership verification is fast.

SCAN ME

To remain in contact with former UCT classmates and to keep abreast of important developments taking place at your alma mater, make sure that you update your contact details on our website: www.alumni@uct.ac.za. Here are some of the other ways you can stay in touch with us:

- Attend UCT alumni events hosted in your region
- Participate in the AGM of Convocation
- Join UCT Alumni Connect today
- Find and follow us on social media @UCTalumni
- Visit the Alumni Relations team in the Old Admin Building, located on UCT Lower Campus
- We love to profile our alumni. Email your news to: alumni@uct.ac.za

UCT benefits from a global network of alumni ambassadors, chapters and affinity groups, with an increasing number of volunteer networks across Africa. Our international UCT offices are focal points for leveraging institutional and research relationships, as well as donor opportunities. You can connect with one of our regional offices:

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The Development and Alumni Department looks forward to meeting you. Join us at one of the many alumni events hosted around the world, on campus at a UCT public lecture, at UCT Summer School or at your class reunion. Let's stay connected.