



Faculty of Health Sciences RESEARCH FORUM

2023

Inspiring excellence. Transforming lives.

UNIVERSITY OF THE
FREE STATE
UNIVERSITEIT VAN DIE
VRYSTAAT
YUNIVESITHI YA
FREISTATA



UFS
HEALTH SCIENCES

FACULTY OF HEALTH SCIENCES 54th RESEARCH FORUM

24 AND 25 AUGUST 2023

On behalf of the organising committee, we warmly welcome all presenters, participants, and guests of the 54th Faculty of Health Sciences Research Forum. We also want to thank the external evaluators and the FP Retief Speaker sincerely.

The Faculty of Health Sciences Research Forum is one of the most notable events on the faculty calendar and continues to affirm the value of high-quality research. Furthermore, it serves as a valuable platform to showcase the research being conducted in the Faculty of Health Sciences while exposing the staff and postgraduate students presenting their research to an audience of their peers.

Building on the success of previous meetings, the 2023 Faculty Research Forum promises to deliver several notable guest lectures with many high-quality clinical, laboratory and educational oral and poster presentations.

We are looking forward to an excellent forum with you.

The Faculty Research Forum Organising Committee

Message from Professor GJ van Zyl
Dean Faculty of Health Sciences



We are back to experience the Forum as in the past. What a relief! Welcome to the 54th Faculty Research Forum.

We all look forward to engaging with you, the presenters on the important research you have done over the past few years.

Thank you to the organising committee for all their efforts in making this year a success. We are deeply indebted to them for their effort and demanding work behind the scenes. Thank you to each researcher who will present this year for investing the time and effort to participate in this prestigious research event. We salute you.

A special word of thanks to all the administrative and support staff that worked tirelessly behind the scenes to make this event possible. To the donors, sponsors, and the faculty community at large. Thank you!

A warm welcome is extended to Prof Zukiswa Zingela, the presenter of the 2023 FP Retief Lecture. Thank you for officiating at this special event.

We are grateful to have three highly distinguished external adjudicators attending, Prof Renée Blaauw (Stellenbosch University), Dr Karen Shires (UCT) and Dr Tania Rauch van der Merwe (WITS). Thank you for contributing to this special event.

The annual Faculty Research Forum is one of the most notable highlights of the Faculty of Health Sciences calendar at the University of the Free State. It is my pleasure to thank each for presenting your research, attending the paper and poster presentations, or contributing to the success of the Forum in any other way. Please also attend the session that presents the student winners of 2023. It is a highlight that justly deserves the attention of all Faculty members. Your attendance at this session gives our students the recognition they deserve.

I will be opening the Faculty Forum of 2023 with the topic, "What is next?"

Finally, I would like to reiterate the invitation to attend the FP Retief Lecture and the presentations by our external evaluators. May the Forum be a rewarding experience.

Welcome to all and enjoy the 2023 Forum!
Prof GJ van Zyl

EXTERNAL ADJUDICATORS

CLINICAL EXTERNAL ADJUDICATOR

Prof Renée Blaauw



Prof Renée Blaauw, PhD (Nutritional Sciences) is a Professor in Therapeutic Nutrition at the Division of Human Nutrition, Stellenbosch University, South Africa. She is a registered dietitian with the Health Professions Council of South Africa. She is a Past Chairperson of the Professional Board for Dietetics in South Africa, a Past President of SASPEN and an honorary member of both SASPEN and ADSA. She is currently serving as the Scientific Secretary of SASPEN. Her main research interests include Nutrition support of critically ill patients; nutritional management of gastro-intestinal diseases and hospital malnutrition. To this effect she is a member of the GLIM (Global Leadership Initiative on Malnutrition) working group and endeavors to contribute to the evidence-base regarding adult hospital malnutrition in South Africa. She is actively involved in teaching and training in dietetics, with a passion for mentoring. She strives to fulfil her educational philosophy “To stimulate, create interest and empower others to help themselves”.

LABORATORY EXTERNAL ADJUDICATOR

Prof Karen Shires



Prof Karen Shires is a joint staff principal medical scientist/Associate Professor in the Division of Haematology, Dept of Pathology, UCT and NHLS-GSH. Prof Shires is a molecular biologist and is currently in charge of the research and development of Molecular Haematology testing for the NHLS at GSH. Being a joint staff scientist has allowed Prof Shires to develop novel approaches in the research environment and applying them in the diagnostic field. Her research focus is on the development of novel molecular tools to diagnose and monitor minimal residual disease in Multiple Myeloma and Myeloid malignancies. This has predominately focused on the use of cancer/testis antigens as biomarkers, which using both flow cytometry and quantitative multiplex PCR are showing promising potentials as biomarkers of Myeloma.

EDUCATIONAL EXTERNAL ADJUDICATOR

Dr Tania Rauch van der Merwe



Dr Tania Rauch van der Merwe is a senior lecturer (PhD Higher Education Studies, Interdisciplinary) in the Department of Occupational Therapy, School of Therapeutic Sciences at the University of the Witwatersrand. She has worked internationally, and nationally, as a clinician in physical rehabilitation, psychiatry, paediatrics, and medico-legal assessment before commencing an academic career as an UFS alumni in 2002. Her research interests and publications straddle the areas of critical qualitative research in occupational therapy and higher education, as well as socially just and contextually responsive occupational therapy service. Tania's teaching experience include the fields of research supervision and methodology; ethics; critical theory; and theory of occupational therapy and occupational science. She also serves as chair of the Scientific Sub-committee as part of the South African Organising Committee for the 2024 World Conference on Qualitative Research; and is a member of the South African Journal of Occupational Therapy's editorial community.

23rd FP RETIEF LECTURE
Speaker: Prof Zukiswa Zingela



Professor Zukiswa Zingela is the Executive Dean, Faculty of Health Sciences at Nelson Mandela University and the previous Head of Psychiatry and Behavioural Sciences at Nelson Mandela Academic Hospital and Walter Sisulu University. She is currently serving as the second vice president of the International Narcotics Control Board and a Member of the Medical and Dental Board of the Health Professions Council of South Africa. Prof Zingela is a registered specialist psychiatrist with more than two decades of experience in the profession with a strong history of teaching, research, and mentorship. She holds an MBCHB from the University of KwaZulu Natal, an MMed Psych from University of Pretoria, a FCPsych from The Colleges of Medicine of South Africa and a PhD in Psychology from Nelson Mandela University.

Professor Zukiswa Zingela's areas of interest and research publications are catatonia, traditional medicine and mental health, substance misuse and mental health, occupational mental health, and public mental health.

FP RETIEF LECTURE
28 YEARS OF SPEAKERS

1995 - Dr C Slabber

1996 - Prof T Bothwell
Is dietary iron overload still a problem in South Africa?

1997 - Prof DJ Ncayiyana
Meeting the Higher Education Challenges in the 21st Century.

1998 - Prof S Kallichurum
Ethics: New Challenges

1999 - Prof RC Franz
Veneuse Trombogenese – Eenhonderd jaar na Virchow. 'n Terugblik met waardering.

2000 - Prof J Terblanche
Academic advances in biliary tract surgery: A Cape Town perspective

2001 - Prof JV van der Merwe
Kwessies van Gesondheidsorg

2002 - Dr MW Makgoba
The impact of HIV/AIDS in South Africa

2003 - Prof FP Retief
Prof CJ Nel's career span in the faculty

2004 - Prof A du P Heyns
Blood Safety

2005 - Prof Benatar
Trends in Bioethics: A Review

2006 - Prof B Mayosi
Quality Assurance: the fourth pillar of academic Medicine

2007 - Prof HH Vorster
Nutrition in South Africa: from Research to Policy

2008 - Prof MJ Viljoen
*Bestuur vir Navorsing in 'n Fakulteit
Gesondheidswetenskappe*

2009 - Prof PN Badenhorst
Keeping the Research flame burning

2010 - Prof LR Uys
Challenges of Higher Education in South Africa

2011 - Prof EWW Sonnendecker
The Omnipotence of Vitamin K

2012 - Prof DJV Weich
Motivating and strengthening research in our Faculty of Health Sciences, UFS

2013 - Prof JD Jansen
The politics and epistemology of the healing sciences in South Africa

2014 - Prof J Volmink
*Reflections on the Social Determinants of Health
Research Outputs*

2015 - Prof H Klopper
Global trends in health care: Implications for research, education, and policy

2016 - Prof B Morrow
Bridging the gap: Integrating research and clinical care in South Africa

2017 - Prof J Pettifor
Bone mass and fractures in South African children

2018 - Prof T Pillay
New diagnostic probes for laboratory medicine using nanobodies and next generation technology

2019 - Prof L Rispel
Building Scholarship and Capacity for Universal Health Coverage

2021 - Prof E Wentzel Viljoen
The South African Salt Story

2022 Prof Solomon Rataemane
Burnout: A key factor among health care practitioners

**Faculty of Health Sciences Research Forum 2023
ORGANISING COMMITTEE**

Chair	Dr Quinton Meyer
Vice chair	Ms Maryna Hattingh
Dean	Prof Gert van Zyl
Vice-Dean Research	Prof Joyce Tsoka-Gwegweni
Faculty administration	Ms Marlene Viljoen
Liaison officer	Mr Reuben Maeko
Research Administration	Ms Petunia Ranthamane
School of Clinical Medicine	Prof Anton van Aswegen
School of Pathology	Mr Jean Kloppers
School of Biomedical Sciences	Dr Quinton Meyer
School of Health and Rehabilitation Sciences	Ms Madeleen Eygelaar
School of Nursing	Dr Melanie Pienaar
Chair Clinical Internal Committee	Dr Claire Armour
Chair Laboratory Internal Committee	Mr Jean Kloppers
Chair Educational Internal Committee	Ms Anna Marie Welman
Chair Student Forum	Ms Anneke Van Der Spoel Van Dijk

EVALUATION COMMITTEES

CLINICAL

Internal evaluation committee	Dr C Armour (Chair) Dr M Pienaar Dr L Robb
External adjudicator	Prof R Blaauw, Stellenbosch University
External adjudicators of research articles	Prof Z Zingela, Nelson Mandela University Prof R Blaauw, Stellenbosch University Prof F Kabambi, Walter Sisulu University

LABORATORY

Internal evaluation committee	Mr J Kloppers (Chair) Dr M Ntsapi Dr M Du Preez
External adjudicator	Prof K Shires, University of the Cape Town
External adjudicators of research articles	Prof K Pillay, University of the Cape Town Prof AK Eisfeld, University of Ohio in Columbus Dr G Marx, University of the Free State

EDUCATIONAL

Internal evaluation committee	Ms A Welman (Chair) Dr A Mostert Ms M Rabambi
External adjudicator	Dr T van der Merwe, University of the Witwatersrand
External adjudicators of research articles	Dr T van der Merwe, University of the Witwatersrand Ms MN Nematikanga, Sefako Makgatho University Dr J du Plessis, Central University of Technology



BLOEMFONTEIN

<p>Mediclinic Hospital Doctor Suite Ground Floor Room G01 INR Services Available 24 Hours 051 410 1700</p>	<p>Fichardt Park 32 van Rippen Street, Fichardt Park Monday - Friday 07:30 - 17:00 051 409 1911</p>	<p>Bloemcare Ground Floor Room 8 INR Services Available Tuesdays - Thursdays 08:00 - 14:00 051 446 0569</p>
<p>Rosepark Hospital Room 105 First Floor INR Services Available 24 Hours 051 502 1500</p>	<p>Hillandale Hospital Depot 1st Floor, Mondia Woodlands INR Services Available Monday - Friday 05:00 - 14:00 051 410 4030</p>	<p>Cure Day - Day Hospital Depot Brandwag, Suite 105 INR Clinic Monday - Friday 08:00 - 18:00 051 409 1920</p>
<p>Busamed Hospital Mazelspoort Road Across Bram Fischer International, Doctors Block INR Services 24 Hours 051 410 1700</p>	<p>Pasteur Hospital Depot Suite G05 INR Services Available Monday - Friday 07:30 - 17:30 051 410 4081</p>	<p>Emoya Hospital Emoya Estate, 7 Frans Kleynhans Groenvlei 051 410 4000</p>
<p>Westdene 30 Reid Street, Westdene Administration Services Monday - Friday 08:00 - 18:00 051 410 4000</p>	<div style="display: flex; align-items: center;"> <div style="flex: 1;"> <p>Proud Sponsor Of the UFS Annual Floating Trophy and Prizes for Best Pathology Student</p> </div> <div style="flex: 1; text-align: center;"> </div> </div>	
<p>Botshabelo Depo Botshabelo Shopping Centre, Main Road Monday - Friday 08:00 - 17:00 051 410 1700</p>		
<p>Drive-Thru 66 President Steyn Street, Westdene Monday - Friday 07:00-17:00 051 410 1700</p>		

**PRIZE WINNERS OF RESEARCH ARTICLES
2023**

John van der Riet Medal Winner

Robyn Smith, Veronica Ntsiea, Stephen Brown, and Joanne Potterton

Department of Physiotherapy, School of Health and Rehabilitation Sciences, UFS
Pre-operative neurodevelopmental assessment in young children undergoing cardiac surgery in central South Africa: feasibility and clinical value.

Muller Potgieter Medal Winners

Johannes van den Heever, Christiaan Jordaan, Angelique Lewies, Dreyer Bester, Jacqueline Goedhals, Lezelle Botes, Pascall Dohmen, and Francis Smit.

Department of Cardiothoracic Surgery, School of Clinical Medicine, UFS
Comparison of the function and structural integrity of cryopreserved pulmonary homografts versus decellularized pulmonary homografts after 180 days implantation in the juvenile ovine model.

Kerneels Nel Medal Winner

Lizemari Hugo-Van Dyk, Champion Nyoni, Margaret Williams, and Benjamin Botha

School of Nursing, UFS
Preceptor support during the COVID-19 pandemic: Recommendations for continuing development

ACKNOWLEDGEMENT OF PARTICIPATING COMPANIES

We express our sincere thanks to the companies mentioned below for their financial support and valued participation in the 2023 Faculty of Health Sciences Faculty Research Forum of the University of the Free State.

DONORS

BRONZE

None

SILVER

Life Rosepark Hospital

Nedbank

Lancet

GOLD

None

PLATINUM

None

EXHIBITORS

Beckman Coulter Life Sciences

Whitehead Scientific

Separations

SAMA

SANBS

SSEM Mthembu

Diagnostech

PROGRAMME
THURSDAY, 24 August 2023

SESSION 1 08h00-08h30	KINE 1 Chairperson: Dr Q Meyer Opening Lecture: Prof GJ van Zyl <i>"What is next?"</i>		
SESSION 2 08h35-10h05	KINE 1 Clinical Papers	KINE 2 Laboratory Papers	KINE 3 Educational Papers
	Chairperson: Prof N Pearce	Chairperson: Prof F Burt	Chairperson: Prof A Fichardt
08h35-08h50	CR1 DC Grobler	LR1 QA Van Staden	ER1 B Masava
08h50-09h05	CR2 ET Kayombo	LR2 WJ Janse van Rensburg	ER2 C Nyoni
09h05-09h20	CR3 JB van Rensburg	LR3 A Lewies	ER3 R Smith
09h20-09h35	CR4 M Benedict	LR4 S Grobler	ER4 E Kempen
09h35-09h50	CR5 M Wentzel	LR5 A Soldati	ER5 L Kataza
09h50-10h05	CR6 MM Mohosho	LR6 CD Viljoen	ER6 L van den Berg
10h05-10h25	TEA		
SESSION 3 10h25-10h55	KINE 1 Chairperson: Me A Welman Invitation Lecture: Dr T van der Merwe <i>"Viewing Curriculum as Discourse: Why History Matters"</i>		
SESSION 4 11H00-12H00	KINE 1 Clinical Papers	KINE 2 Laboratory Papers	KINE 3 Educational Papers
	Chairperson: Prof C van Vuuren	Chairperson: Prof M Meiring	Chairperson: Prof L van der Merwe
11h00-11h15	CR7 HC Spies	LR7 S Maphumulo	ER7 MB Setlogelo
11h15-11h30	CR8 CM Walsh	LR8 MM Litabe	ER8 R Van Wyk
11h30-11h45	CR9 P Chikobvu	LR9 R Potgieter	ER9 C Fourie
11h45-12h00	CR10 M Jordaan	LR10 NA Makoah	ER10 L Bester
SESSION 5 12h00 – 13h00	KINE 1 Chairperson: Prof GJ van Zyl FP Retief Lecture: Prof Z Zingela <i>"From rough seas to calmer shores: how do we navigate our profession without sacrificing our health and well-being?"</i>		
13h00-13h45	LUNCH		

SESSION 6 13h45 – 14h45	KINE 1 Clinical Papers	KINE 2 Laboratory Papers	KINE 3 Educational Papers
	Chairperson: Dr D van Jaarsveldt	Chairperson: Dr J Joubert	Chairperson: Mrs M Hattingh
13h45-14h00	CR11 M Reid	LR11 NJ Mhlambi	ER11 M De Milander
14h00-14h15	CR12 M Killian	LR12 H Sondlane	
14h15-14h30	CR13 P Jansen	LR13 MT Mogotsi	
14h30-14h45	CR14 MJ Modula	LR14 S Vazi	

SESSION 7 14h45-15h30	KINE 1 Chairperson: Mrs A van der Spoel van Dijk BEST STUDENT PAPERS		
14h45-15h00	School of Health and Rehabilitation Sciences		
15h00-15h15	School of Nursing		
15h15-15h30	School of Clinical Medicine		
15h30-15h45	TEA		
SESSION 8 15h45-17h20	KINE 1 Clinical Posters	KINE 2 Laboratory Posters	KINE 3 Educational Posters
	Chairperson: Prof A Sherriff	Chairperson: Prof WJ Janse van Rensburg	Chairperson: Mrs M Hattingh
15h45-15h50	CP1 L Robb	LP1 R Vorster-de Wet	EP1 M Louw
15h50-15h55	CP2 HC Spies	LP2 P Van der Linde	EP2 B Masava
15h55-16h00	CP3 M Alenbalu	LP3 M Moremane	EP3 D Rutledge
16h00-16h05	CP4 S Masoga	LP4 A Willers	EP4 C Fourie
16h05-16h10	CP5 M Nicholls	LP5 D le Grange	
16h10-16h15	CP6 L Farland	LP6 P Mongalo	
16h15-16h20	CP7 M de Milander	LP7 BS Nhubunga	
16h20-16h25	CP8 S van Zyl	LP8 T Mooko	
16h25-16h30	CP9 SMS Ndlovu	LP9 ZT Skosana	
16h30-16h35	CP11 NP Makatsa	LP10 A Van Der Spoel Van Dijk	
16h35-16h40	BREATHER		
16h40-16h45	CP12 CK Egenasi		
16h45-16h50	CP13 G Engelbrecht		
16h50-16h55	CP14 WS Maluleke		
16h55-17h00	CP15 TP Nkashama		
17h00-17h05	CP16 L van Deventer		
17h05-17h10	CP17 RS Mokoena		
17h10-17h15	CP18 S Kennedy		
17h15-17h20	CP19 ST Nkoana		

PROGRAMME FRIDAY, 25 August 2023		
SESSION 9 08h00-08h30	KINE 1 Chairperson: Dr CL Armour (Barrett) Invitation Lecture: Prof R Blaauw <i>"Micronutrients in hospitalised patients: Why, when and how much?"</i>	
SESSION 10 08h35-10h05	KINE 1 Clinical Papers	KINE 2 Laboratory Papers
	Chairperson: Prof FE Smit	Chairperson: Prof CD Viljoen
08h35-08h50	CR15 VT Mokoena	LR15 P Maass
08h50-09h05	CR16 F van Schalkwyk	LR16 EE Anirudh
09h05-09h20	CR17 M van Jaarsveld	LR17 R Masiu
09h20-09h35		LR18 M Nkoi
09h35-09h50		LR19 CN Ntsapi
09h50-10h05		LR20 MA Bopape
10h05-10h25	TEA	
SESSION 11 10h25-10h55	KINE 1 Chairperson: Mr J Kloppers Invitation Lecture: Prof K Shires <i>"Molecular diagnostics: look before you leap!"</i>	
SESSION 12 11h00-12h00	KINE 1 Clinical Papers	KINE 2 Laboratory Papers
	Chairperson: Prof C Nyoni	Chairperson: Dr S Dlamini
11h00-11h15	CR21 MM Mohosho	LR21 FE Smit
11h15-11h30	CR22 C Maphiri	LR22 JJ van den Heever
11h30-11h45	CR23 M Herbst	LR23 M Saki
11h45-12h00	CR24 J Lemmer-Malherbe	
SESSION 13 12h00-12h25	KINE 1 Clinical Posters	
	Chairperson: Dr R Smith	
12h00-12h05	CP20 FO Onubeze	
12h05-12h10	CP22 A Swanepoel	
12h10-12h15	CP23 M Chipu	
12h15-12h20	CP24 A Carson-Porter	
12h20-12h25	CP25 M de Milander	
12h25-13h15	LUNCH	
Session 14 13h15-14h00	KINE 1 Chairperson: Prof Joyce Tsoka-Gwegweni Reflections: External Evaluators	
13h15-13h30	Reflection: Clinical External Adjudicator Prof Rene Blaauw	
13h30-13h45	Reflection: Educational External Adjudicator Dr Tania van der Merwe	
13h45-14h00	Reflection: Laboratory External Adjudicator	

	Prof Karen Shires
14h00-14h15	KINE 1 CLOSURE Prof Joyce Tsoka-Gwegweni
<i>Prize winners will be informed by Ms Petunia Ranthamane. Winners are encouraged to please attend the awards ceremony in person.</i>	
15h00	KINE 1 AWARDS CEREMONY Master of Ceremonies & Toast to the Faculty of Health Sciences: Prof CD Viljoen Announcement of Winners: Prof GJ van Zyl

PRESENTATIONS THURSDAY, 24 AUGUST 2023

- Session 2 Kine 1 **CR-1** **THE LOCAL CONTROL OF T4 BREAST CANCER LESIONS AT 5 YEARS POST TREATMENT IN THE FREE STATE. ARETROSPECTIVE STUDY FROM 01/01/2010-31/12/2014**
08h35
Presenter: DC Grobler
Authors: DC Grobler
Affiliation: Department of General Surgery
- Session 2 Kine 1 **CR-2** **THE CUT-OFF AGE FOR GASTROSCOPY IN THE MANAGEMENT OF DYSPEPSIA PATIENTS IN A TERTIARY HOSPITAL IN CENTRAL SOUTH AFRICA**
08h50
Presenter: ET Kayombo
Authors: ET Kayombo and SAJ Smit
Affiliation: Department of General Surgery
- Session 2 Kine 1 **CR-3** **THE PROGNOSTIC VALUE OF 99MTC-ECDG IMAGING IN PATIENTS WITH RHEUMATOID ARTHRITIS**
09h05
Presenter: JB van Rensburg
Authors: O Evbuomwan, G Engelbrecht and JB van Rensburg
Affiliation: Departments of Nuclear Medicine and Internal Medicine
- Kine 1 **CR-4** **STRATEGIES TO ENHANCE THE APPROACH TO PROSTATE CANCER SCREENING OF AFRICAN MEN IN THE FREE STATE**
09h20
Presenter: MOA Benedict
Authors: MOA Benedict, WJ Steinberg, FM Claassen, N Mofolo and C van Rooyen
Affiliation: Departments of Family Medicine, Urology and Biostatistics
- Session 2 Kine 1 **CR-5** **RADIOLOGY BLUES: COMPARING OCCUPATIONAL BLUE-LIGHT EXPOSURE TO RECOMMENDED SAFETY STANDARDS**
09h35
Presenter: M Wentzel
Authors: M Wentzel, J Janse van Rensburg and JJ Terblans
Affiliation: Department of Clinical Imaging Sciences and Department of Physics (NAS)
- Session 2 Kine 1 **CR-6** **RE-EVALUATING THE PREDICTIVE VALUES OF PAP-SMEAR FOR DIAGNOSIS AND LLETZ MARGIN STATUS FOR MANAGEMENT OF PRECANCEROUS CERVICAL LESIONS**
09h50
Presenter: MM Mohosho
Authors: MM Mohosho and MH Botha
Affiliation: Departments of Obstetrics and Gynaecology UFS and Stellenbosch University
- Session 2 Kine 2 **LR-1** **THROMBIN'S UPS AND DOWNS: THE EFFECT OF CHACMA BABOONS' NATURAL ANTICOAGULANTS AND FACTOR VIII LEVELS ON ENDOGENOUS THROMBIN GENERATION**
08h35
Presenter: QA van Staden
Authors: QA van Staden, SM Meiring, C Conradie and J Joubert
Affiliation: Department of Haematology and Cell Biology, UFS and NHLS
- Session 2 Kine 2 **LR-2** **THE PREVALENCE OF ATHEROSCLEROSIS IN A DIVERSE SOUTH AFRICAN POPULATION - A POST-MORTEM PERSPECTIVE**
08h50
Presenter: WJ Janse van Rensburg
Authors: WJ Janse van Rensburg
Affiliation: Human Molecular Biology Unit, UFS

Session 2	Kine 2 09h05	LR-3	DEVELOPMENT OF A DIET-INDUCED ATHEROSCLEROSIS RAT MODEL TO EVALUATE DRUG INTERACTIONS IN A LANGENDORFF ISOLATED PERFUSED RAT HEART SYSTEM <i>Presenter: A Lewies</i> <i>Authors: A Lewies, V Kodogo and FE Smit</i> <i>Affiliation: Department of Cardiothoracic Surgery, UFS</i>
Session 2	Kine 2 09h20	LR-4	SAMPLE SENESCENCE OR ATYPICAL CLL? THE EFFECTS OF PRE-ANALYTICAL VARIABLES ON THE FLOWCYTOMETRIC DIAGNOSIS OF CLL <i>Presenter: SM Grobler</i> <i>Authors: SM Grobler, AC van Marle and JP Roodt</i> <i>Affiliation: Department of Haematology and Cell Biology, UFS and NHLS</i>
Session 2	Kine 2 09h35	LR-5	A NOVEL POPULATION-SPECIFIC VARIANT CAUSING AN ALLELIC DROPOUT IN THE D19S433 SHORT TANDEM REPEAT LOCUS <i>Presenter: A Soldati</i> <i>Authors: A Soldati, A De Kock and JF Kloppers</i> <i>Affiliation: Department of Haematology and Cell Biology, UFS and NHLS</i>
Session 2	Kine 2 09h50	LR-6	GLYPHOSATE RESIDUE IN CAT AND DOG FOOD SOLD IN SOUTH AFRICA <i>Presenter: CD Viljoen</i> <i>Authors: CD Viljoen, S Sreenivasan Tantuan and C Ogden</i> <i>Affiliation: School of Biomedical Sciences, UFS</i>
Session 2	Kine 3 08h35	ER-1	STANDARDS FOR SCAFFOLDING IN HEALTH SCIENCES EDUCATIONAL PROGRAMMES: A GLOBAL CONSENSUS STUDY <i>Presenter: B Masava</i> <i>Authors: B Masava, CN Nyoni and Y Botma</i> <i>Affiliation: School of Nursing</i>
Session 2	Kine 3 08h50	ER-2	DOCTORAL CONTRIBUTION TO NURSING SCIENCE IN SUB-SAHARAN AFRICA: A DOCUMENT REVIEW <i>Presenter: CN Nyoni</i> <i>Authors: CN Nyoni, L Hugo-van Dyk and Y Botma</i> <i>Affiliation: School of Nursing</i>
Session 2	Kine 3 09h05	ER-3	IMPROVING TIME-TO-DEGREE THROUGH ADAPTED POSTGRADUATE STUDENT SUPPORT INITIATIVES: AN INITIAL EVALUATION OF POSTGRADUATE PROGRESSION IN SELECTED HEALTH SCIENCES RESEARCH STUDENTS AT A SOUTH AFRICAN UNIVERSITY <i>Presenter: R Smith</i> <i>Authors: R Smith and C Janse van Vuuren</i> <i>Affiliation: Department of Phyiotherapy</i>
Session 2	Kine 3 09h20	ER-4	IS A SAFE LEARNING ENVIRONMENT AN ILLUSION? <i>Presenter: E Kempen</i> <i>Authors: E Kempen, MJ Labuschagne and MP Jama</i> <i>Affiliation: Division Health Sciences Education, Clinical Simulation and Skills Unit</i>
Session 2	Kine 3 09h35	ER-5	COPING STRATEGIES OF UNDERGRADUATE STUDENTS IN HEALTH SCIENCES: A SCOPING REVIEW <i>Presenter: T Kataza</i> <i>Authors: T Kataza and L Hugo-Van Dyk</i> <i>Affiliation: School of Nursing</i>

Session 2	Kine 3 09h50	ER-6	ASSOCIATIONS OF FOOD INSECURITY WITH BIOGRAPHICAL PROFILE AND ACADEMIC PERFORMANCE AT THE UFS <i>Presenter:</i> L van den Berg <i>Authors:</i> L van den Berg, N Mabena, M Nel and L Robb <i>Affiliation:</i> Departments of Nutrition and Dietetics and Biostatistics
Session 4	Kine 1 11h00	CR-7	WEIGHT REGAIN FOLLOWING BARIATRIC ROUX-EN-Y GASTRIC BYPASS OR SLEEVE GASTRECTOMY IN A SOUTH AFRICAN SETTING <i>Presenter:</i> HC Spies <i>Authors:</i> HC Spies, S Swart and VL Van den Berg <i>Affiliation:</i> Department of Nutrition and Dietetics
Session 4	Kine 1 11h15	CR-8	NUTRITIONAL PROFILE OF PATIENTS WITH TUBERCULOSIS AT STANDERTON TUBERCULOSIS SPECIALISED HOSPITAL <i>Presenter:</i> CM Walsh <i>Authors:</i> J Wessels, M Nel and CM Walsh <i>Affiliation:</i> Departments of Nutrition and Dietetics and Biostatistics
Session 4	Kine 1 11h30	CR-9	ASSESSING THE STATE OF PUBLIC HEALTH SERVICE DELIVERY: CASE OF THE FREE STATE PROVINCE, SOUTH AFRICA <i>Presenter:</i> P Chikobvu <i>Authors:</i> M Biljohn, I Davids, CJ Heunis, P Chikobvu, M Litheko, C Barrett, R Nathan, T Manasseh, and O Bokang <i>Affiliation:</i> Department of Community Health, Centre for Health Systems Research, Free State Department of Health, School of Clinical Medicine and Universitas Academic Hospital
Session 4	Kine 1 11h45	CR-10	ASSOCIATIONS BETWEEN REPORTED HEALTH AND LIFESTYLE AND BIRTH OUTCOME OF PREGNANT WOMEN: THE NUEMI STUDY <i>Presenter:</i> EM Jordaan <i>Authors:</i> EM Jordaan, G Joubert, L Robb, J Ngounda and CM Walsh <i>Affiliation:</i> Departments of Nutrition and Dietetics and Biostatistics
Session 4	Kine 2 11h00	LR-7	THE SEROPREVALENCE OF HEPATITIS E VIRUS IN PATIENTS THAT ARE HEPATITIS A, B AND C SERONEGATIVE: A RETROSPECTIVE, DESCRIPTIVE STUDY IN THE FREE STATE AND NORTHERN CAPE PROVINCES OF SOUTH AFRICA <i>Presenter:</i> SSS Maphumulo <i>Authors:</i> SSS Maphumulo, D Goedhals, C Van Rooyen and S Vawda <i>Affiliation:</i> Division of Virology, School of Pathology and Department of Biostatistics, UFS
Session 4	Kine 2 11h15	LR-8	DURATION OF IMMUNITY AND CROSS-PROTECTION AGAINST HETEROLOGOUS SARS-COV-2 VARIANTS IN COVID- 19 RECOVERED INDIVIDUALS <i>Presenter:</i> MM Litabe <i>Authors:</i> MM Litabe, PA Bester and FJ Burt <i>Affiliation:</i> Division of Virology, School of Pathology and Department of Biostatistics, UFS
Session 4	Kine 2 11h30	LR-9	INSIGHTS INTO RWANDAN G9P[8] ROTAVIRUS STRAINS PRE- AND POST-ROTATEQ® VACCINE: REVEALS SIGNIFICANT DISTINCT SUB-CLUSTERING IN THE POST-VACCINATION COHORT <i>Presenter:</i> R Potgieter <i>Authors:</i> R Potgieter, P Mwangi, M Mogotsi, J Uwimana, L Mutesa, N Muganga, D Murenzi, L Tusiyege, M Seheri, D Steele, J Mwenda and M Nyaga <i>Affiliation:</i> Division of Virology, School of Pathology, UFS

Session 4	Kine 2 11h45	LR-10	EXPRESSION AND PURIFICATION OF RECOMBINANT CRIMEAN CONGO HEMORRHAGIC FEVER ANTIGENS AS TOOLS FOR SERODIAGNOSIS <i>Presenter:</i> NA Makoah <i>Authors:</i> NA Makoah, MM Litabe, FB Neng Simo, KK Maboho and FJ Burt <i>Affiliation:</i> Division of Virology, School of Pathology, UFS
Session 4	Kine 3 11h00	ER-7	THE NON-COGNITIVE ATTRIBUTES OF UNDERGRADUATE NURSING STUDENTS: A SURVEY AT A SOUTH AFRICAN UNIVERSITY <i>Presenter:</i> MB Setlogelo <i>Authors:</i> MB Setlogelo and CN Nyoni <i>Affiliation:</i> School of Nursing
Session 4	Kine 3 11h15	ER-8	HIGH-TECHNOLOGY CLINICAL SIMULATION OPERATIONAL CHALLENGES: A SOUTH AFRICAN APPROACH <i>Presenter:</i> R Van Wyk <i>Authors:</i> R Van Wyk, MJ Labuschagne and G Joubert <i>Affiliation:</i> Clinical Simulation and Skills Unit
Session 4	Kine 3 11h30	ER-9	HIGH-FIDELITY MOULAGE MAKES SIMULATIONS "COME ALIVE" <i>Presenter:</i> C Fourie <i>Authors:</i> C Fourie and Y Botma <i>Affiliation:</i> School of Nursing
Session 4	Kine 3 11h45	ER-10	AN INSTRUMENT TO MEASURE THE COMPETENCIES OF RESPECTFUL MATERNITY CARE <i>Presenter:</i> L Bester <i>Authors:</i> L Bester and L Hugo-Van Dyk <i>Affiliation:</i> School of Nursing
Session 6	Kine 1 13h45	CR-11	PIONEERING INITIATIVES FOR DIABETIC CARE IN AFRICAN PRIMARY HEALTH CARE SERVICES <i>Presenter:</i> M Reid <i>Authors:</i> M Reid, L Talbot, M Pienaar, E Janse van Rensburg, M Nel, L Radebe, D Krige, E Opisa, J Swanepoel, M le Roux, CM Walsh and C Hassan <i>Affiliation:</i> School of Nursing, Departments of Nutrition and Dietetics, and Biostatistics
Session 6	Kine 1 14h00	CR-12	AN OCCUPATIONAL PERSPECTIVE FOR ENABLING ENVIRONMENTS IN RESIDENTIAL AGED CARE FACILITIES (RACFS) IN SOUTH AFRICA <i>Presenter:</i> M Kilian <i>Authors:</i> M Kilian, TR van der Merwe and SHJ du Toit <i>Affiliation:</i> Department of Occupational Therapy
Session 6	Kine 1 14h15	CR-13	LANGUAGE MATTERS: EXPLORING THE LANGUAGE BARRIERS BETWEEN DIETITIANS AND MOTHERS DURING NUTRITION COUNSELLING RELATED TO THE FIRST 1000 DAYS OF LIFE <i>Presenter:</i> PT Jansen <i>Authors:</i> PT Jansen <i>Affiliation:</i> Department of Nutrition and Dietetics
Session 6	Kine 1 14h30	CR-14	THE SUPPORT NEEDS OF FAMILIES RAISING CHILDREN WITH INTELLECTUAL DISABILITY <i>Presenter:</i> MJ Modula <i>Authors:</i> MJ Modula <i>Affiliation:</i> School of Nursing

Session 6	Kine 2 13h45	LR-11	XPRT MTB/RIF ULTRA A TOOL TO INCREASE TIME TO RESULT AND REDUCE LOSS-TO-FOLLOW-UP BY TESTING CONTAMINATED LIQUID CULTURES TO IDENTIFY TUBERCULOSIS AND RIFAMPICIN-RESISTANCE <i>Presenter:</i> NJ Mhlambi <i>Authors:</i> NJ Mhlambi, Y Ghebrekristos, ZT Skosana, B Fanampe, R Venter, S Botha, MB Maloba, T Grant and A Van der Spoel van Dijk <i>Affiliation:</i> Department of Medical Microbiology, School of Pathology, UFS
Session 6	Kine 2 14h00	LR-12	WHOLE GENOME ANALYSIS OF RESPIRATORY SYNCYTIAL VIRUS CIRCULATING IN THE FREE STATE PROVINCE DURING THE COVID-19 PANDEMIC <i>Presenter:</i> H Sondlane <i>Authors:</i> H Sondlane, A Ogunbayo, M Mogotsi, M Esona, C Donato, U Hallbauer, P Bester, D Goedhals and M Nyaga <i>Affiliation:</i> Division of Virology and Department of Paediatrics and Child Health, UFS
Session 6	Kine 2 14h15	LR-13	LONGITUDINAL ENTERIC VIROME ANALYSIS PROVIDES INSIGHTS INTO EARLY GUT COLONISATION AND TEMPORAL DYNAMICS IN PAEDIATRIC SUBJECTS FROM THE FREE STATE PROVINCE, SOUTH AFRICA <i>Presenter:</i> MT Mogotsi <i>Authors:</i> MT Mogotsi, AE Ogunbayo, PA Bester, HG O'Neill and MN Nyaga <i>Affiliation:</i> Division of Virology, School of Pathology, UFS
Session 6	Kine 2 14h30	LR-14	AN INVESTIGATION INTO THE INFLAMMATORY PROPERTIES OF TENOFOVIR IN HEPG2 HUMAN LIVER <i>Presenter:</i> S Vazi <i>Authors:</i> S Vazi, S van Zyl, R Vorster-de Wet and C Tiloke <i>Affiliation:</i> Department of Basic Medical Sciences , UFS
Session 6	Kine 3 13h45	ER-11	THE ABILITY OF TEACHERS TO IDENTIFY GRADE 1 LEARNERS IN LOW SOCIO-ECONOMIC ENVIRONMENTS WITH POSSIBLE DEVELOPMENTAL COORDINATION DISORDER <i>Presenter:</i> M de Milander <i>Authors:</i> AM du Plessis, M de Milander, FF Coetzee and M Nel <i>Affiliation:</i> Department of Exercise and Sport Sciences
Session 8	Kine 1 15h45	CP-1	REPORTED HEALTH, SOCIAL SUPPORT, STRESS AND ASSOCIATIONS WITH CHOLINE INTAKE IN PREGNANT WOMEN: THE NUEMI STUDY <i>Presenter:</i> L Robb <i>Authors:</i> L Robb, G Joubert, EM Jordaan, J Ngounda and CM Walsh <i>Affiliation:</i> Departments of Nutrition and Dietetics and Biostatistics
Session 8	Kine 1 15h50	CP-2	BARIATRIC SURGERY - MODIFIABLE FACTORS IN A SOUTH AFRICAN SETTING <i>Presenter:</i> HC Spies <i>Authors:</i> S Swart, VL Van den Berg and HC Spies <i>Affiliation:</i> Department of Nutrition and Dietetics
Session 8	Kine 1 15h55	CP-3	DIABETES KNOWLEDGE, ATTITUDES AND PRACTICE AMONGST TYPE 2 DIABETICS ATTENDING THE PRIMARY HEALTHCARE CLINICS IN KIMBERLEY <i>Presenter:</i> M Alenbalu <i>Authors:</i> M Alenbalu, CK Egenasi and WJS Steinberg <i>Affiliation:</i> Department of Family Medicine

Session 8	Kine 1 16h00	CP-4	ANTHROPOMETRIC STATUS AND MACRONUTRIENT INTAKE OF BODYBUILDING ATHLETES IN THE CAPRICORN DISTRICT, LIMPOPO PROVINCE; SOUTH AFRICA <i>Presenter: S Masoga</i> <i>Authors: S Masoga, E Du Toit, D Coetzee and R Shall</i> <i>Affiliation: Departments of Nutrition and Dietetics and Mathematical and Actuarial Sciences</i>
Session 8	Kine 1 16h05	CP-5	ANALYSING MATCH-RELATED PERFORMANCE INDICATORS IN SUPER RUGBY COMPETITIONS: A STUDY OF THE 2017-2019 SEASONS <i>Presenter: M Nicholls</i> <i>Authors: M Nicholls, D Coetzee, R Schall and W Kraak</i> <i>Affiliation: Departments of Exercise and Sport Sciences and Mathematical and Actuarial Sciences</i>
Session 8	Kine 1 16h10	CP-6	AGREEMENT BETWEEN COMPUTERISED AND TRADITIONAL METHODS OF CALCULATING HEART RATE VARIABILITY IN PATIENTS WITH CARDIOVASCULAR DISEASE RISK FACTORS <i>Presenter: L Farland</i> <i>Authors: L Farland, M Moore and R Schall</i> <i>Affiliation: Departments of Exercise and Sport Sciences and Mathematical and Actuarial Sciences</i>
Session 8	Kine 1 16h15	CP-7	PREVALENCE OF ADHD SYMPTOMS AND THEIR ASSOCIATION WITH LEARNING-RELATED SKILLS IN GRADE 1 CHILDREN IN SOUTH AFRICA <i>Presenter: M de Milander</i> <i>Authors: M de Milander, R Schall R, E de Bruin and M Smuts-Craft</i> <i>Affiliation: Departments of Exercise and Sport Sciences and Mathematical and Actuarial Sciences</i>
Session 8	Kine 1 16h20	CP-8	CHRONIC DISEASES OF LIFESTYLE: A RISK ASSESSMENT AND HEALTH PROMOTION FRAMEWORK FOR A RURAL AND URBAN PRIMARY HEALTH CARE SETTING IN THE FREE STATE PROVINCE, SOUTH AFRICA <i>Presenter: S van Zyl</i> <i>Authors: S van Zyl, WH Kruger and CM Walsh</i> <i>Affiliation: Departments of Basic Medical Sciences and Departments of Community Health and Nutrition and Dietetics</i>
Session 8	Kine 1 16h25	CP-9	INTERVENTIONS TO IMPROVE YOUNG MEN'S HIV TESTING UPTAKE IN KWAZULU-NATAL, SOUTH AFRICA <i>Presenter: SMS Ndlovu</i> <i>Authors: SMS Ndlovu, A Ross, MA Mulondo and J Ndirangu</i> <i>Affiliation: Division of Public Health</i>
Session 8	Kine 1 16h40	CP-11	PSYCHOSOCIAL FACTORS THAT CONTRIBUTE TO RECIDIVISM IN STATE PATIENTS NECESSITATING READMISSION AT THE FREE STATE PSYCHIATRIC COMPLEX <i>Presenter: NP Makatsa</i> <i>Authors: NP Makatsa and AA George</i> <i>Affiliation: Department of Psychiatry</i>
Session 8	Kine 1 16h45	CP-12	DEVELOPING AN IMPROVED SEIZURE DIARY AS A MONITORING TOOL FOR EPILEPTIC PATIENTS IN SOUTH AFRICA <i>Presenter: CK Egenasi</i> <i>Authors: CK Egenasi, AA Moodley, WJ Steinberg, J Gina and A Adefuye</i>

Affiliation: Departments of Family Medicine, Neurology and Biostatistics and Division of Health Sciences Education

- | | | | |
|-----------|-----------------|--------------|---|
| Session 8 | Kine 1
16h50 | CP-13 | 99MTC-ETHYLENEDICysteineDEOXYGLUCOSE IMAGING OF SYNOVITIS IN PATIENTS WITH RHEUMATOID ARTHRITIS
<i>Presenter:</i> G Engelbrecht
<i>Authors:</i> O Evbuomwan, G Engelbrecht and JB Van Rensburg
<i>Affiliation:</i> Departmentst of Nuclear Medicine and Internal Medicine |
| Session 8 | Kine 1
16h55 | CP-14 | PREVALENCE OF ANXIETY AND DEPRESSIVE DISORDER AND THE ROLE OF COPING STRATEGIES IN COUPLES WITH INFERTILITY
<i>Presenter:</i> WS Maluleke
<i>Authors:</i> WS Maluleke, SM Baloyi and AA Makhele
<i>Affiliation:</i> Department of Obstetrics and Gynaecology |
| Session 8 | Kine 1
17h00 | CP-15 | PROFILE OF CERVICAL CANCER PATIENTS AT THE DEPARTMENT OF ONCOLOGY, UNIVERSITAS ACADEMIC HOSPITAL, FREE STATE PROVINCE FOR THE PERIOD OF OCTOBER 2019 TO OCTOBER 2020
<i>Presenter:</i> TP Nkashama
<i>Authors:</i> TP Nkashama, A Sherriff and SM Baloyi
<i>Affiliation:</i> Departments of Oncology and Obstetrics and Gynaecology |
| Session 8 | Kine 1
17h05 | CP-16 | WILL THE FATHERS IN THE HOUSE PLEASE STAND UP? ASSESSING THE FULFILMENT OF FATHER ROLES IN BETHLEHEM MEN
<i>Presenter:</i> LF Van Deventer
<i>Authors:</i> LF Van Deventer and WJ Steinberg
<i>Affiliation:</i> Department of Family Medicine |
| Session 8 | Kine 1
17h10 | CP-17 | COMMUNITY KNOWLEDGE, ATTITUDES AND PRACTICES REGARDING COVID-19 IN THABO MOFUTSANYANE DISTRICT, FREE STATE PROVINCE - 2022
<i>Presenter:</i> RS Mokoena
<i>Authors:</i> RS Mokoena, J Ebonwu, I Kleinhans, S Mahanjana and B Brummer
<i>Affiliation:</i> Department of Community Health |
| Session 8 | Kine 1
17h15 | CP-18 | THE EFFECT OF THE COVID-19 PANDEMIC ON EPISTAXIS AND ANAEMIA IN PATIENTS WITH HEREDITARY HAEMORRHAGIC TELANGIECTASIA IN CENTRAL SOUTH AFRICA
<i>Presenter:</i> SJ Kennedy
<i>Authors:</i> SJ Kennedy, MJ Coetzee, RY Seedat and L Haupt
<i>Affiliation:</i> Departments of Haematology and Cell Biology and Otorhinolaryngology |
| Session 8 | Kine 1
17h20 | CP-19 | PREGNANCIES COMPLICATED BY HELLP SYNDROME:A 2 YEAR REVIEW ON MATERNAL AND PERINATAL OUTCOMES
<i>Presenter:</i> S Nkoana
<i>Authors:</i> ST Nkoana and SM Baloyi
<i>Affiliation:</i> Department of Obstetrics and Gynaecology |
| Session 8 | Kine 2
15h45 | LP-1 | EFFECT OF RECEIVING MOBILE TEXT MESSAGES ON CORTISOL CONCENTRATIONS IN STUDENTS AT THE UNIVERSITY OF THE FREE STATE
<i>Presenter:</i> R Vorster-de Wet
<i>Authors:</i> R Vorster-de Wet, AM Gerber and JE Raubenheimer
<i>Affiliation:</i> Departments of Basic Medical Sciences and Biostatistics, UFS |
| Session 8 | Kine 2
15h50 | LP-2 | SHAKEN OR STIRRED? THE EFFECT OF PHYSICAL AGITATION ON THE HOMOGENEITY OF PHARMA Q® BUPIVACAINE 0.5% WITH DEXTROSE 8% SOLUTION
<i>Presenter:</i> PM Van der Linde |

Authors: PM Van der Linde, G Lamacraft, HL Du Preez and NF Hiten

Affiliation: Department of Anaesthesiology, UFS

- | | | | |
|-----------|-----------------|--------------|--|
| Session 8 | Kine 2
15h55 | LP-3 | THE ANTIPROLIFERATIVE EFFECT OF MORINGA OLEIFERA AQUEOUS LEAF EXTRACT IN MCF-7 BREAST CANCER CELLS
<i>Presenter:</i> MM Moremane
<i>Authors:</i> MM Moremane, BA Abrahams and C Tiloke
<i>Affiliation:</i> Department of Basic Medical Science, UFS |
| Session 8 | Kine 2
16h00 | LP-4 | THE COMPARISON OF THREE DIFFERENT ISOLATION METHODS OF EXTRACELLULAR VESICLES FROM PLASMA
<i>Presenter:</i> AJ Willers
<i>Authors:</i> AJ Willers and SM Meiring
<i>Affiliation:</i> Department of Haematology and Cell Biology, UFS and NHLS |
| Session 8 | Kine 2
16h05 | LP-5 | A RETROSPECTIVE REVIEW OF NEGLECTED TROPICAL DISEASES DIAGNOSED ON HISTOPATHOLOGICAL SPECIMENS IN THE FREE STATE PROVINCE, SOUTH AFRICA, OVER A SIX-YEAR PERIOD (2015-2020)
<i>Presenter:</i> DL Le Grange
<i>Authors:</i> DL Le Grange, SF Pillay, L Budding, J Goedhals and C Van Rooyen
<i>Affiliation:</i> Departments of Anatomical Pathology and Biostatistics, UFS |
| Session 8 | Kine 2
16h10 | LP-6 | THE ADAMTS13-VWF AXIS IN HIV-ASSOCIATED THROMBOTIC THROMBOCYTOPENIC PURPURA
<i>Presenter:</i> PD Mongalo
<i>Authors:</i> PD Mongalo and SM Meiring
<i>Affiliation:</i> Department of Haematology and Cell Biology, UFS and NHLS |
| Session 8 | Kine 2
16h15 | LP-7 | THE EFFECT OF MICROVESICLES ON THROMBIN GENERATION IN SEVERE COVID-19 SAMPLES
<i>Presenter:</i> BS Nhubunga
<i>Authors:</i> BS Nhubunga, SM Meiring and FE Smit
<i>Affiliation:</i> Departments of Haematology and Cell Biology and Cardiothoracic Surgery |
| Session 8 | Kine 2
16h20 | LP-8 | THE INFLUENCE OF APOLIPOPROTEIN ALLELIC GENE VARIANTS (G1 AND 2) AND HIV-1 PARTICLE MUTATIONS IN PATIENTS WITH KIDNEY FAILURE AND DETECTABLE VIRAL PARTICLES IN PERITONEAL DIALYSIS EFFLUENT WHILE ON ANTIRETROVIRAL THERAPY
<i>Presenter:</i> T Mooko
<i>Authors:</i> T Mooko, FB Bisiwe, G Marx, P Chikobvu, MM Nyaga, TRP Mofokeng and KC Ndlovu
<i>Affiliation:</i> Departments of Internal Medicine, Genetics, and Community Health |
| Session 8 | Kine 2
16h25 | LP-9 | TESTING RESIDUAL XPRT® MTB/RIF ULTRA DNA FOR DOWNSTREAM APPLICATIONS
<i>Presenter:</i> ZT Skosana
<i>Authors:</i> ZT Skosana, B Fanampe, A van der Spoel van Dijk, R Venter, S Botha, K Finger, MRB Maloba, T Mokoena, Y Ghebrekristos and G Theron
<i>Affiliation:</i> Department of Microbiology, School of Pathology UFS and NHLS |
| Session 8 | Kine 2
16h30 | LP-10 | SEQUENCING MYCOBACTERIA AND ALGORITHM-DETERMINED RESISTANT TUBERCULOSIS TREATMENT (SMARTT) TRIAL ASSISTED IN A RESCUE REGIMEN FOR A DIRE CASE
<i>Presenter:</i> A Van der Spoel Van Dijk
<i>Authors:</i> A Van der Spoel Van Dijk, N Mhlambi, EC Conceiçã, K Miala, B Fanampe, F Wells TH Heupink, L Verboven, L Setlhare, M Mhalmbo, Z Sibeko, F Ndebele, S Charalambous, G Churchyard, R Warren and A Van Rie |

Affiliation: Department of Microbiology, School of Pathology, UFS and NHLS

Session 8	Kine 3 15h45	EP-1	TEACHING STRATEGIES FOR CRITICAL THINKING IN THE UNDERGRADUATE STUDENTS OF THE SCHOOL OF HEALTH AND REHABILITATION SCIENCES AT THE UNIVERSITY OF THE FREE STATE <i>Presenter:</i> M Louw <i>Authors:</i> M Louw and C Van Wyk <i>Affiliation:</i> Departments of Physiotherapy and Occupational Therapy
Session 8	Kine 3 15h50	EP-2	USABILITY OF STANDARDS FOR SCAFFOLDING IN A HEALTH SCIENCES PROGRAMME: A FEASIBILITY STUDY <i>Presenter:</i> B Masava <i>Authors:</i> B Masava, CN Nyoni and Y Botma <i>Affiliation:</i> School of Nursing
Session 8	Kine 3 15h55	EP-3	PROGRESSION FROM SURGICAL MEDICAL OFFICER TO SURGICAL REGISTRAR: EXPERIENCES AND BARRIERS <i>Presenter:</i> D Rutledge <i>Authors:</i> D Rutledge, N Ahmed and SM Le Grange <i>Affiliation:</i> Department of Surgery
Session 8	Kine 3 16h00	EP-4	EXPLORATORY FACTOR ANALYSIS OF THE MOULAGE AUTHENTICITY RATING SCALE AND PROPOSED ADAPTATIONS <i>Presenter:</i> C Fourie <i>Authors:</i> C Fourie and Y Botma <i>Affiliation:</i> School of Nursing

PRESENTATIONS FRIDAY, 25 AUGUST 2023

Session 10	Kine 1 08h35	CR-15	CORRELATION BETWEEN CAROTID INTIMA-MEDIA THICKNESS AND PATIENT OUTCOMES IN CORONARY ARTERY DISEASE IN CENTRAL SOUTH AFRICA <i>Presenter:</i> TV Mokoena <i>Authors:</i> TV Mokoena, L Botes, SC Brown and FE Smit <i>Affiliation:</i> Departments of Health Sciences, CUT, Paediatrics and Child Health and Cardiothoracic Surgery
Session 10	Kine 1 08h50	CR-16	CORRELATION OF CARDIAC RISK FACTORS WITH CAROTID INTIMA-MEDIA THICKNESS AND RADIAL INTIMA-MEDIA THICKNESS MEASUREMENTS <i>Presenter:</i> FG van Schalkwyk <i>Authors:</i> FG van Schalkwyk, FE Smit, SC Brown and L Botes <i>Affiliation:</i> Departments of Paediatrics and Child Health and Cardiothoracic Surgery
Session 10	Kine 1 09h05	CR-17	OUTCOMES OF SINGLE VENTRICLE PHYSIOLOGY IN CENTRAL SOUTH AFRICA <i>Presenter:</i> MJ van Jaarsveld <i>Authors:</i> MJ van Jaarsveld, L Botes, FE Smit and SC Brown <i>Affiliation:</i> Departments of Cardiology, Cardiothoracic Surgery and Paediatrics and Child Health
Session 10	Kine 2 08h35	LR-15	SKELETAL PROFILING: INTRODUCING THE FREE STATE COLLECTION FOR ANTHROPOLOGICAL RESEARCH <i>Presenter:</i> P Maass <i>Authors:</i> P Maass <i>Affiliation:</i> Department of Basic Medical Sciences, UFS
Session 10	Kine 2 08h50	LR-16	ASSESSING CRANIOFACIAL SYMMETRY IN A FREE STATE POPULATION <i>Presenter:</i> E Anirudh <i>Authors:</i> D van der Merwe, E Anirudh and P Maass <i>Affiliation:</i> Department of Basic Medical Sciences, UFS
Session 10	Kine 2 09h05	LR-17	A PROFILE OF SKELETAL LESIONS THAT ARE ASSOCIATED WITH TUBERCULOSIS IN SOUTH AFRICA <i>Presenter:</i> R Masiu <i>Authors:</i> R Masiu, D Botha and M Steyn <i>Affiliation:</i> Department of Basic Medical Sciences, UFS
Session 10	Kine 2 09h20	LR-18	MORPHOLOGY AND BRANCHING PATTERN OF THE INTERNAL ILIAC ARTERY IN A FREE STATE MALE CADAVERIC SAMPLE <i>Presenter:</i> MJ Nkoi <i>Authors:</i> MJ Nkoi, S Govender and P Maass <i>Affiliation:</i> Department of Basic Medical Sciences, UFS
Session 10	Kine 2 09h35	LR-19	AUTOPHAGY ACTIVITY IN A IN VIVO BRAIN INJURY MODEL: EXPLORING THE EFFECTS OF INTERMITTENT FASTING <i>Presenter:</i> C Ntsapi <i>Authors:</i> C Ntsapi and B Loos <i>Affiliation:</i> Department of Basic Medical Sciences, UFS
Session 10	Kine 2 09h50	LR-20	INVESTIGATING THE IMPACT OF MORINGA OLEIFERA ON CHAPERONE-MEDIATED AUTOPHAGY IN AN IN VITRO MODEL OF HEPATOCELLULAR CARCINOMA

Presenter: MA Bopape
Authors: MA Bopape, C Tiloke and C Ntsapi
Affiliation: Department of Basic Medical Sciences, UFS

- Session 12 Kine 1 **CR-21** **THE ASSOCIATION BETWEEN THE PREVALENCE OF HIV INFECTION AND ECTOPIC PREGNANCY**
11h00
Presenter: MM Mohosho
Authors: MM Mohosho
Affiliation: Department of Basic Medical Sciences, UFS
- Session 12 Kine 1 **CR-22** **MATERNAL FOLATE, VITAMIN B12 LEVELS AND NEURAL TUBE DEFECTS AT UNIVERSITAS-PELONOMI ACADEMIC COMPLEX IN MANGAUNG**
11h15
Presenter: GCR Maphiri
Authors: GCR Maphiri, SM Baloyi, O Gavi and M Nel
Affiliation: Departments of Obstetrics and Gynaecology and Biostatistics
- Session 12 Kine 1 **CR-23** **POPULATION-BASED RISK FACTORS IN THE EPIDEMIOLOGY OF CONGENITAL ANOMALIES IN A SOUTH AFRICAN ACADEMIC HOSPITAL**
11h30
Presenter: MTS Herbst
Authors: MTS Herbst
Affiliation: Department of Surgery
- Session 12 Kine 1 **CR-24** **THE PREVALENCE OF PREOPERATIVE ANAEMIA IN WOMEN UNDERGOING CAESAREAN SECTIONS AT PELONOMI HOSPITAL**
11h45
Presenter: J Lemmer-Malherbe
Authors: S Skweyiya, O Thole, N Mhlanga, T Maphumla, P Phooko, D Mahoko, T Letsoara, L Masango and J Lemmer-Malherbe
Affiliation: Department of Anaesthesiology
- Session 12 Kine 2 **LR-21** **NO CALCIFICATION AND INFLAMMATION DEMONSTRATED IN A TRANSCATHETER HEART VALVE CONTAINING FIXED AND UNFIXED DECELLULARISED BOVINE PERICARDIUM SCAFFOLDS IN A JUVENILE SHEEP STUDY**
11h00
Presenter: FE Smit
Authors: FE Smit, A Doubell, A Lewies, JJ Van Den Heever, P Marimuthu, CJ Jordaan, L Botes and H Weich
Affiliation: Department of Cardiothoracic Surgery, UFS
- Session 12 Kine 2 **LR-22** **EFFECT OF THREE DIFFERENT PROCESSING TECHNIQUES ON PROPERTIES AND CLINICAL PERFORMANCE OF PULMONARY HOMOGRAFTS WITH EXTENDED ISCHEMIC TIME IN THE RVOT OF AN OVINE MODEL**
11h15
Presenter: JJ van den Heever
Authors: JJ van den Heever, CJ Jordaan, A Lewies, J Goedhals, L Botes, P Mari Muthu, PM Dohmen and FE Smit
Affiliation: Department of Cardiothoracic Surgery, UFS
- Session 12 Kine 2 **LR-23** **THE HEPATOPROTECTIVE EFFECTS OF MORINGA OLEIFERA AGAINST ANTIRETROVIRAL INDUCED CYTOTOXICITY IN HEPG2 CELLS**
11h30
Presenter: M Saki
Authors: M Saki, H De Villiers, C Ntsapi and C Tiloke
Affiliation: Department of Basic Medical Sciences, UFS

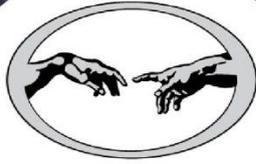
Session 13	Kine 1 12h00	CP-20	CAESAREAN SECTIONS AT PELONOMI HOSPITAL USING ROBSONS 10 - GROUP CLASSIFICATIONS <i>Presenter:</i> FO Onubeze <i>Authors:</i> FO Onubeze and S Baloyi <i>Affiliation:</i> Department of Obstetrics and Gynaecology
Session 13	Kine 1 12h05	CP-22	CONCEPTUAL MAP OF KNOWLEDGE TRANSFER IN OCCUPATIONAL THERAPY CLINICAL PRACTICE IN CENTRAL SOUTH AFRICA <i>Presenter:</i> A Swanepoel <i>Authors:</i> A Swanepoel, EC Janse van Vuuren and S Nayar <i>Affiliation:</i> Department of Occupational Therapy
Session 13	Kine 1 12h10	CP-23	THE DEVELOPMENT AND IMPLEMENTATION OF A MODEL TO FACILITATE SELF-CARE OF THE PROFESSIONAL NURSES CARING FOR CRITICALLY ILL PATIENTS <i>Presenter:</i> MG Chipu <i>Authors:</i> MG Chipu and C Downing <i>Affiliation:</i> School of Nursing
Session 13	Kine 1 12h15	CP-24	FEEDING PRACTICES OF MOTHERS WITH CHILDREN ATTENDING ECD CENTERS IN THE KHARIEP DISTRICT <i>Presenter:</i> AC Carson-Porter <i>Authors:</i> AC Carson-Porter <i>Affiliation:</i> Department of Nutrition and Dietetics
Session 13	Kine 1 12h20	CP-25	THE EFFECT OF A MOTOR INTERVENTION PROGRAMME FOR LEARNERS IDENTIFIED WITH MODERATE TO SEVERE INTELLECTUAL DISABILITIES <i>Presenter:</i> M de Milander <i>Authors:</i> JMM Fernandes, M de Milander and E van der Merwe <i>Affiliation:</i> Department of Exercise and Sport Sciences

▶ Private Clients

Zero monthly fees
for medical interns.



NEDBANK



Doctors For Life
INTERNATIONAL

JOIN TODAY

Doctors For Life International (DFL) is a non-profit company that was founded and established in South Africa in 1991. The organisation began in response to an increasing need for intervention to preserve Christian ethics and sound science within the medical profession and, in particular, protect the sanctity of life from fertilisation until natural death.

DFL has been providing free humanitarian aid and medical assistance, including eye surgery, in countries including but not limited to South Africa, Swaziland, North Africa, Angola, Zambia, Zimbabwe, Malawi, Botswana and Mozambique. Over a quarter of a million patients have benefited from this initiative so far.

DFL provides scientific/ethical lectures on issues like euthanasia, abortion, legalisation of cannabis and more.

Membership offers you a credible platform to express your convictions, receive legal support regarding your rights as a healthcare professional, participate in volunteer activities, access newsletters and weekly ethical updates (life-alerts) containing current research.

Email: mail@dfi.org.za | **Phone:** +27 (0) 32 481 5550 | **Web:** www.doctorsforlife.co.za





SEPARATIONS
Simply Spectacular

WORKFLOWS SUPPORTED BY US

- Biobanking
- Biotherapeutics Production
- Cell Culture
- Cellular Biology
- Chromatography
- Elemental Analysis
- Genomics
- Laboratory Automation
- Microbiology
- Microscopy
- Molecular Biology
- Pharmaceutical Production
- Protein Biochemistry
- Spectroscopy
- Synthesis/Parallel Chemistry
- Water Analysis



biotechniquesdept@separations.co.za

www.separations.co.za | 011 919 1000



Empowering those seeking answers to life's important scientific and healthcare questions.



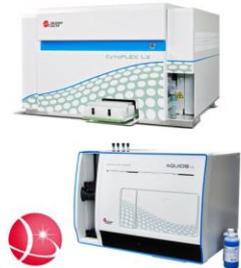
Centrifugation

Designed as a complete solution from tube to rotor to centrifuge, our broad centrifugation product portfolio delivers brilliance at every turn.



Flow Cytometry

Pushing the boundaries of what is possible with flow cytometry while improving the user experience through software innovations.



Genomics Solutions

Supporting next-generation sequencing, PCR/qPCR/ ddPCR, Sanger sequencing, and enzymatic post-reaction clean-ups, our genomic solutions are empowering real discoveries daily.



Cell Health

From automated cell viability or counting, bioanalyte analysis, to IgG quantification from culture supernatant or cell suspension, our solutions offer culture confidence.



Liquid Handling Solutions

By combining the power of Echo and Biomek brands, Beckman Coulter Life Sciences has officially launched the next wave in liquid handling technology.



Particle Characterization and Counting

The MET ONE, HIAC, ANATEL, and Coulter brands are advancing science in ways that truly count in QC labs, biopharmaceutical research labs, and industrial settings around the world.



Beckman Coulter South Africa

19 Lanner Falcon Road, Samrand, Centurion

Office: +2711 564 3000 | Email: lsr-southafrica@beckman.com | Website: www.beckman.com



© 2023 Beckman Coulter, Inc. All rights reserved. Beckman Coulter, the stylized logo and the Beckman Coulter product and service names mentioned herein are trademarks or registered trademarks of Beckman Coulter, Inc. in the United States and other countries.

For Beckman Coulter's worldwide office locations and phone numbers, please visit Contact Us at beckman.com



THANK YOU FOR SUPPORTING THE
2023 FACULTY OF HEALTH
SCIENCES RESEARCH FORUM

www.ufs.ac.za

 UFSUV |  UFSweb |  UFSweb |  ufsuv