



# *Faculty of Health Sciences* RESEARCH FORUM **2023**

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HEALTH SCIENCES

# A legacy of caring...

CELEBRATING  
**35**  
YEARS OF CARING

**At Life Rosepark Hospital our patients are at the centre of the care we provide.  
We are mindful of those entrusted to our care.**

Care is our driver – our enabler and our reminder that our contribution to our patients' journey is more than just clinical outcomes.

Our smile is our welcome.

Thoughtful care is our commitment.

How we leave our patients feeling after their hospital experience is our legacy.

**Life Rosepark Hospital - celebrating 35 years of caring.**

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*For more information on our facilities and services, please contact Hannika Struwig on 051 505 5407 or email [Hannika.struwig@lifehealthcare.co.za](mailto:Hannika.struwig@lifehealthcare.co.za)*

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**Life** HEALTH CARE **Rosepark Hospital**

*Making life better*

## **FACULTY OF HEALTH SCIENCES 54<sup>th</sup> RESEARCH FORUM**

**24-25 AUGUST 2023**

On behalf of the organising committee, we warmly welcome all presenters, participants, and guests to the 54<sup>th</sup> 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 their peers.

Building on the success of previous meetings, the 2023 Faculty Research Forum promises to deliver several notable guest lectures with 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 Faculty of Health Sciences Research Forum. What a relief! Welcome to the 54<sup>th</sup> 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 you for your effort and demanding work behind the scenes. Thank you to each researcher 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!

We extend a warm welcome to Prof Zukiswa Zingela, the presenter of this year's FP Retief Lecture. Thank you for officiating at this special event.

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

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 2023 student winners. It is a highlight that justly deserves the attention of all Faculty members. Your attendance will give our students the recognition they deserve.

Finally, I would like to reiterate the invitation to attend the FP Retief Lecture and the presentations by our external evaluators.

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

Welcome all, and may the 2023 Forum be a rewarding experience.

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 and a registered dietitian with the Health Professions Council of South Africa (HPCSA). She is a former Chairperson of the Professional Board for Dietetics in South Africa, a former President of the South African Society for Parenteral and Enteral Nutrition (SASPEN) and an honorary member of both SASPEN and the Association for Dietetics in South Africa (ADSA). She is currently serving as the Scientific Secretary of SASPEN. Her research interests include nutrition support for critically ill patients, nutritional management of gastrointestinal diseases and hospital malnutrition. To this effect, she is a member of the Global Leadership Initiative on Malnutrition (GLIM) working group and endeavours to contribute to the evidence 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, Department of Pathology, University of Cape Town 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 and apply novel approaches in the research environment in the diagnostic field. Her research focuses on developing 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 services. Dr Rauch's teaching experience includes 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.

**23<sup>rd</sup> FP RETIEF LECTURE**  
**Speaker: Prof Zukiswa Zingela**



Professor Zukiswa Zingela is the Executive Dean of the 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 is 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 the 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 include 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**

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

**EVALUATION COMMITTEES**

**CLINICAL**

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

**LABORATORY**

<b>Internal evaluation committee</b>	Mr J Kloppers (Chair) Dr M Ntsapi Dr M Du Preez
<b>External adjudicator</b>	Prof K Shires, University of the Cape Town
<b>External adjudicators of research articles</b>	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**

<b>Internal evaluation committee</b>	Ms A Welman (Chair) Dr A Mostert Ms M Rabambi
<b>External adjudicator</b>	Dr T van der Merwe, University of the Witwatersrand
<b>External adjudicators of research articles</b>	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><b>Mediclinic Hospital</b>            Doctor Suite Ground Floor Room G01  <b>INR Services Available</b>            24 Hours  <b>051 410 1700</b></p>	<p><b>Fichardt Park</b>            32 van Rippen Street, Fichardt Park            Monday - Friday 07:30 - 17:00  <b>051 409 1911</b></p>	<p><b>Bloemcare</b>            Ground Floor Room 8  <b>INR Services Available</b>            Tuesdays - Thursdays 08:00 - 14:00  <b>051 446 0569</b></p>
<p><b>Rosepark Hospital</b>            Room 105 First Floor  <b>INR Services Available</b>            24 Hours  <b>051 502 1500</b></p>	<p><b>Hillandale Hospital Depot</b>            1st Floor, Mondia Woodlands  <b>INR Services Available</b>            Monday - Friday 05:00 - 14:00  <b>051 410 4030</b></p>	<p><b>Cure Day - Day Hospital Depot</b>            Brandwag, Suite 105  <b>INR Clinic</b>            Monday - Friday 08:00 - 18:00  <b>051 409 1920</b></p>
<p><b>Busamed Hospital</b>            Mazelspoort Road Across Bram Fischer            International, Doctors Block  <b>INR Services</b>            24 Hours  <b>051 410 1700</b></p>	<p><b>Pasteur Hospital Depot</b>            Suite G05  <b>INR Services Available</b>            Monday - Friday 07:30 - 17:30  <b>051 410 4081</b></p>	<p><b>Emoya Hospital</b>            Emoya Estate, 7 Frans Kleynhans            Groenvlei  <b>051 410 4000</b></p>
<p><b>Westdene</b>            30 Reid Street, Westdene            Administration Services            Monday - Friday 08:00 - 18:00  <b>051 410 4000</b></p>	<div style="display: flex; align-items: center;"> <div style="flex: 1;"> <p style="text-align: center;"><b>Proud Sponsor</b>  <b>Of the UFS Annual</b>  <b>Floating Trophy and</b>  <b>Prizes for Best</b>  <b>Pathology Student</b></p> </div> <div style="flex: 1; text-align: center;"> </div> </div>	
<p><b>Botshabelo Depo</b>            Botshabelo Shopping Centre, Main Road            Monday - Friday 08:00 - 17:00  <b>051 410 1700</b></p>		
<p><b>Drive-Thru</b>            66 President Steyn Street, Westdene            Monday - Friday 07:00-17:00  <b>051 410 1700</b></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: Dr A van der Merwe	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	CP18 S Kennedy	LP1 R Vorster-de Wet	EP1 M Louw
15h50-15h55	CP1 L Robb	LP3 M Moremane	EP2 B Masava
15h55-16h00	CP2 HC Spies	LP4 A Willers	EP3 D Rutledge
16h00-16h05	CP3 M Alenbalu	LP5 D le Grange	EP4 C Fourie
16h05-16h10	CP4 S Masoga	LP6 P Mongalo	
16h10-16h15	CP5 M Nicholls	LP7 BS Nhubunga	
16h15-16h20	CP6 L Farland	LP8 T Mooko	
16h20-16h25	CP7 M de Milander	LP9 ZT Skosana	
16h25-16h30	CP8 S van Zyl	LP10 A Van Der Spoel Van Dijk	
16h30-16h35	CP9 SMS Ndlovu		
16h35-16h40	BREATHHER		
16h40-16h45	CP11 NP Makatsa		
16h45-16h50	CP12 CK Egenasi		
16h50-16h55	CP13 G Engelbrecht		
16h55-17h00	CP14 WS Maluleke		
17h00-17h05	CP15 TP Nkashama		
17h05-17h10	CP16 L van Deventer		
17h10-17h15	CP17 RS Mokoena		
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 D Buys	Chairperson: Prof CD Viljoen
08h35-08h50	CR15 VT Mokoena	LR15 P Maass
08h50-09h05	CR16 VT Mokoena	LR16 EE Anirudh
09h05-09h20	CR17 M van Jaarsveld	LR17 R Masiu
09h20-09h35	CR18 FE Smit	LR18 M Nkoi
09h35-09h50	CR19 FE Smit	LR19 CN Ntsapi
09h50-10h05	CR20 E van den Heever	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>Ms Petunia Ranthamane will inform the prize winners. Winners are encouraged to please attend the awards ceremony.</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 08h35	<b>CR-1</b>	<b>THE LOCAL CONTROL OF T4 BREAST CANCER LESIONS AT 5 YEARS POST TREATMENT IN THE FREE STATE. A RETROSPECTIVE STUDY FROM 01/01/2010-31/12/2014</b> <i>Presenter:</i> DC Grobler <i>Authors:</i> DC Grobler <i>Affiliation:</i> Department of General Surgery
Session 2	Kine 1 08h50	<b>CR-2</b>	<b>THE CUT-OFF AGE FOR GASTROSCOPY IN THE MANAGEMENT OF DYSPEPSIA PATIENTS IN A TERTIARY HOSPITAL IN CENTRAL SOUTH AFRICA</b> <i>Presenter:</i> ET Kayombo <i>Authors:</i> ET Kayombo and SAJ Smit <i>Affiliation:</i> Department of General Surgery
Session 2	Kine 1 09h05	<b>CR-3</b>	<b>THE PROGNOSTIC VALUE OF 99MTC-ECDG IMAGING IN PATIENTS WITH RHEUMATOID ARTHRITIS</b> <i>Presenter:</i> JB van Rensburg <i>Authors:</i> O Evbuomwan, G Engelbrecht and JB van Rensburg <i>Affiliation:</i> Departments of Nuclear Medicine and Internal Medicine
Session 2	Kine 1 09h20	<b>CR-4</b>	<b>STRATEGIES TO ENHANCE THE APPROACH TO PROSTATE CANCER SCREENING OF AFRICAN MEN IN THE FREE STATE</b> <i>Presenter:</i> MOA Benedict <i>Authors:</i> MOA Benedict, WJ Steinberg, FM Claassen, N Mofolo and C van Rooyen <i>Affiliation:</i> Departments of Family Medicine, Urology and Biostatistics
Session 2	Kine 1 09h35	<b>CR-5</b>	<b>RADIOLOGY BLUES: COMPARING OCCUPATIONAL BLUE-LIGHT EXPOSURE TO RECOMMENDED SAFETY STANDARDS</b> <i>Presenter:</i> M Wentzel <i>Authors:</i> M Wentzel, J Janse van Rensburg and JJ Terblans <i>Affiliation:</i> Department of Clinical Imaging Sciences and Department of Physics (NAS)
Session 2	Kine 1 09h50	<b>CR-6</b>	<b>RE-EVALUATING THE PREDICTIVE VALUES OF PAP-SMEAR FOR DIAGNOSIS AND LLETZ MARGIN STATUS FOR MANAGEMENT OF PRECANCEROUS CERVICAL LESIONS</b> <i>Presenter:</i> MM Mohosho <i>Authors:</i> MM Mohosho and MH Botha <i>Affiliation:</i> Departments of Obstetrics and Gynaecology UFS and Stellenbosch University
Session 2	Kine 2 08h35	<b>LR-1</b>	<b>THROMBIN'S UPS AND DOWNS: THE EFFECT OF CHACMA BABOONS' NATURAL ANTICOAGULANTS AND FACTOR VIII LEVELS ON ENDOGENOUS THROMBIN GENERATION</b> <i>Presenter:</i> QA van Staden <i>Authors:</i> QA van Staden, SM Meiring, C Conradie and J Joubert <i>Affiliation:</i> Department of Haematology and Cell Biology, UFS and NHLS
Session 2	Kine 2 08h50	<b>LR-2</b>	<b>THE PREVALENCE OF ATHEROSCLEROSIS IN A DIVERSE SOUTH AFRICAN POPULATION - A POST-MORTEM PERSPECTIVE</b> <i>Presenter:</i> WJ Janse van Rensburg <i>Authors:</i> WJ Janse van Rensburg <i>Affiliation:</i> Human Molecular Biology Unit, UFS
Session 2	Kine 2 09h05	<b>LR-3</b>	<b>DEVELOPMENT OF A DIET-INDUCED ATHEROSCLEROSIS RAT MODEL TO EVALUATE DRUG INTERACTIONS IN A LANGENDORFF ISOLATED PERFUSED RAT HEART SYSTEM</b> <i>Presenter:</i> A Lewies <i>Authors:</i> A Lewies, V Kodogo and FE Smit <i>Affiliation:</i> Department of Cardiothoracic Surgery, UFS

Session 2	Kine 2 09h20	<b>LR-4</b>	<b>SAMPLE SENESCENCE OR ATYPICAL CLL? THE EFFECTS OF PRE-ANALYTICAL VARIABLES ON THE FLOWCYTOMETRIC DIAGNOSIS OF CLL</b> <i>Presenter:</i> SM Grobler <i>Authors:</i> SM Grobler, AC van Marle and JP Roodt <i>Affiliation:</i> Department of Haematology and Cell Biology, UFS and NHLS
Session 2	Kine 2 09h35	<b>LR-5</b>	<b>A NOVEL POPULATION-SPECIFIC VARIANT CAUSING AN ALLELIC DROPOUT IN THE D19S433 SHORT TANDEM REPEAT LOCUS</b> <i>Presenter:</i> A Soldati <i>Authors:</i> A Soldati, A De Kock and JF Kloppers <i>Affiliation:</i> Department of Haematology and Cell Biology, UFS and NHLS
Session 2	Kine 2 09h50	<b>LR-6</b>	<b>GLYPHOSATE RESIDUE IN CAT AND DOG FOOD SOLD IN SOUTH AFRICA</b> <i>Presenter:</i> CD Viljoen <i>Authors:</i> CD Viljoen, S Sreenivasan Tantuan and C Ogden <i>Affiliation:</i> School of Biomedical Sciences, UFS
Session 2	Kine 3 08h35	<b>ER-1</b>	<b>STANDARDS FOR SCAFFOLDING IN HEALTH SCIENCES EDUCATIONAL PROGRAMMES: A GLOBAL CONSENSUS STUDY</b> <i>Presenter:</i> B Masava <i>Authors:</i> B Masava, CN Nyoni and Y Botma <i>Affiliation:</i> School of Nursing
Session 2	Kine 3 08h50	<b>ER-2</b>	<b>DOCTORAL CONTRIBUTION TO NURSING SCIENCE IN SUB-SAHARAN AFRICA: A DOCUMENT REVIEW</b> <i>Presenter:</i> CN Nyoni <i>Authors:</i> CN Nyoni, L Hugo-van Dyk and Y Botma <i>Affiliation:</i> School of Nursing
Session 2	Kine 3 09h05	<b>ER-3</b>	<b>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</b> <i>Presenter:</i> R Smith <i>Authors:</i> R Smith and C Janse van Vuuren <i>Affiliation:</i> Department of Physiotherapy
Session 2	Kine 3 09h20	<b>ER-4</b>	<b>IS A SAFE LEARNING ENVIRONMENT AN ILLUSION?</b> <i>Presenter:</i> E Kempen <i>Authors:</i> E Kempen, MJ Labuschagne and MP Jama <i>Affiliation:</i> Division Health Sciences Education, Clinical Simulation and Skills Unit
Session 2	Kine 3 09h35	<b>ER-5</b>	<b>COPING STRATEGIES OF UNDERGRADUATE STUDENTS IN HEALTH SCIENCES: A SCOPING REVIEW</b> <i>Presenter:</i> T Kataza <i>Authors:</i> T Kataza and L Hugo-Van Dyk <i>Affiliation:</i> School of Nursing
Session 2	Kine 3 09h50	<b>ER-6</b>	<b>ASSOCIATIONS OF FOOD INSECURITY WITH BIOGRAPHICAL PROFILE AND ACADEMIC PERFORMANCE AT THE UFS</b> <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	<b>CR-7</b>	<b>WEIGHT REGAIN FOLLOWING BARIATRIC ROUX-EN-Y GASTRIC BYPASS OR SLEEVE GASTRECTOMY IN A SOUTH AFRICAN SETTING</b> <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	<b>CR-8</b>	<b>NUTRITIONAL PROFILE OF PATIENTS WITH TUBERCULOSIS AT STANDERTON TUBERCULOSIS SPECIALISED HOSPITAL</b> <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	<b>CR-9</b>	<b>ASSESSING THE STATE OF PUBLIC HEALTH SERVICE DELIVERY: CASE OF THE FREE STATE PROVINCE, SOUTH AFRICA</b> <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	<b>CR-10</b>	<b>ASSOCIATIONS BETWEEN REPORTED HEALTH AND LIFESTYLE AND BIRTH OUTCOME OF PREGNANT WOMEN: THE NUEMI STUDY</b> <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	<b>LR-7</b>	<b>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</b> <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	<b>LR-8</b>	<b>DURATION OF IMMUNITY AND CROSS-PROTECTION AGAINST HETEROLOGOUS SARS-COV-2 VARIANTS IN COVID- 19 RECOVERED INDIVIDUALS</b> <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	<b>LR-9</b>	<b>INSIGHTS INTO RWANDAN G9P[8] ROTAVIRUS STRAINS PRE- AND POST-ROTATEQ® VACCINE: REVEALS SIGNIFICANT DISTINCT SUB-CLUSTERING IN THE POST-VACCINATION COHORT</b> <i>Presenter:</i> R Potgieter <i>Authors:</i> R Potgieter, P Mwangi, M Mogotsi, J Uwimana, L Mutesa, N Muganga, D Murenzi, L Tusiyenge, M Seheri, D Steele, J Mwenda and M Nyaga <i>Affiliation:</i> Division of Virology, School of Pathology, UFS
Session 4	Kine 2 11h45	<b>LR-10</b>	<b>EXPRESSION AND PURIFICATION OF RECOMBINANT CRIMEAN CONGO HEMORRHAGIC FEVER ANTIGENS AS TOOLS FOR SERODIAGNOSIS</b> <i>Presenter:</i> NA Makoah <i>Authors:</i> NA Makoah, MM Litabe, FB Neng Simo, KK Maboaho and FJ Burt <i>Affiliation:</i> Division of Virology, School of Pathology, UFS

Session 4	Kine 3 11h00	<b>ER-7</b>	<b>THE NON-COGNITIVE ATTRIBUTES OF UNDERGRADUATE NURSING STUDENTS: A SURVEY AT A SOUTH AFRICAN UNIVERSITY</b> <i>Presenter:</i> MB Setlogelo <i>Authors:</i> MB Setlogelo and CN Nyoni <i>Affiliation:</i> School of Nursing
Session 4	Kine 3 11h15	<b>ER-8</b>	<b>HIGH-TECHNOLOGY CLINICAL SIMULATION OPERATIONAL CHALLENGES: A SOUTH AFRICAN APPROACH</b> <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	<b>ER-9</b>	<b>HIGH-FIDELITY MOULAGE MAKES SIMULATIONS "COME ALIVE"</b> <i>Presenter:</i> C Fourie <i>Authors:</i> C Fourie and Y Botma <i>Affiliation:</i> School of Nursing
Session 4	Kine 3 11h45	<b>ER-10</b>	<b>AN INSTRUMENT TO MEASURE THE COMPETENCIES OF RESPECTFUL MATERNITY CARE</b> <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	<b>CR-11</b>	<b>PIONEERING INITIATIVES FOR DIABETIC CARE IN AFRICAN PRIMARY HEALTH CARE SERVICES</b> <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	<b>CR-12</b>	<b>AN OCCUPATIONAL PERSPECTIVE FOR ENABLING ENVIRONMENTS IN RESIDENTIAL AGED CARE FACILITIES (RACFS) IN SOUTH AFRICA</b> <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	<b>CR-13</b>	<b>LANGUAGE MATTERS: EXPLORING THE LANGUAGE BARRIERS BETWEEN DIETITIANS AND MOTHERS DURING NUTRITION COUNSELLING RELATED TO THE FIRST 1000 DAYS OF LIFE</b> <i>Presenter:</i> PT Jansen <i>Authors:</i> PT Jansen <i>Affiliation:</i> Department of Nutrition and Dietetics
Session 6	Kine 1 14h30	<b>CR-14</b>	<b>THE SUPPORT NEEDS OF FAMILIES RAISING CHILDREN WITH INTELLECTUAL DISABILITY</b> <i>Presenter:</i> MJ Modula <i>Authors:</i> MJ Modula <i>Affiliation:</i> School of Nursing
Session 6	Kine 2 13h45	<b>LR-11</b>	<b>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</b> <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	<b>LR-12</b>	<b>WHOLE GENOME ANALYSIS OF RESPIRATORY SYNCYTIAL VIRUS CIRCULATING IN THE FREE STATE PROVINCE DURING THE COVID-19 PANDEMIC</b> <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	<b>LR-13</b>	<b>LONGITUDINAL ENTERIC VIROME ANALYSIS PROVIDES INSIGHTS INTO EARLY GUT COLONISATION AND TEMPORAL DYNAMICS IN PAEDIATRIC SUBJECTS FROM THE FREE STATE PROVINCE, SOUTH AFRICA</b> <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	<b>LR-14</b>	<b>AN INVESTIGATION INTO THE INFLAMMATORY PROPERTIES OF TENOFOVIR IN HEPG2 HUMAN LIVER</b> <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	<b>ER-11</b>	<b>THE ABILITY OF TEACHERS TO IDENTIFY GRADE 1 LEARNERS IN LOW SOCIO-ECONOMIC ENVIRONMENTS WITH POSSIBLE DEVELOPMENTAL COORDINATION DISORDER</b> <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	<b>CP-18</b>	<b>THE EFFECT OF THE COVID-19 PANDEMIC ON EPISTAXIS AND ANAEMIA IN PATIENTS WITH HEREDITARY HAEMORRHAGIC TELANGIECTASIA IN CENTRAL SOUTH AFRICA</b> <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 15h50	<b>CP-1</b>	<b>REPORTED HEALTH, SOCIAL SUPPORT, STRESS AND ASSOCIATIONS WITH CHOLINE INTAKE IN PREGNANT WOMEN: THE NUEMI STUDY</b> <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 15h55	<b>CP-2</b>	<b>BARIATRIC SURGERY - MODIFIABLE FACTORS IN A SOUTH AFRICAN SETTING</b> <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 16h00	<b>CP-3</b>	<b>DIABETES KNOWLEDGE, ATTITUDES AND PRACTICE AMONGST TYPE 2 DIABETICS ATTENDING THE PRIMARY HEALTHCARE CLINICS IN KIMBERLEY</b> <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 16h05	<b>CP-4</b>	<b>ANTHROPOMETRIC STATUS AND MACRONUTRIENT INTAKE OF BODYBUILDING ATHLETES IN THE CAPRICORN DISTRICT, LIMPOPO PROVINCE; SOUTH AFRICA</b> <i>Presenter:</i> S Masoga <i>Authors:</i> S Masoga, E Du Toit, D Coetzee and R Shall <i>Affiliation:</i> Departments of Nutrition and Dietetics and Mathematical and Actuarial Sciences

Session 8	Kine 1 16h10	<b>CP-5</b>	<b>ANALYSING MATCH-RELATED PERFORMANCE INDICATORS IN SUPER RUGBY COMPETITIONS: A STUDY OF THE 2017-2019 SEASONS</b> <i>Presenter:</i> M Nicholls <i>Authors:</i> M Nicholls, D Coetzee, R Schall and W Kraak <i>Affiliation:</i> Departments of Exercise and Sport Sciences and Mathematical and Actuarial Sciences
Session 8	Kine 1 16h15	<b>CP-6</b>	<b>AGREEMENT BETWEEN COMPUTERISED AND TRADITIONAL METHODS OF CALCULATING HEART RATE VARIABILITY IN PATIENTS WITH CARDIOVASCULAR DISEASE RISK FACTORS</b> <i>Presenter:</i> L Farland <i>Authors:</i> L Farland, M Moore and R Schall <i>Affiliation:</i> Departments of Exercise and Sport Sciences and Mathematical and Actuarial Sciences
Session 8	Kine 1 16h20	<b>CP-7</b>	<b>PREVALENCE OF ADHD SYMPTOMS AND THEIR ASSOCIATION WITH LEARNING-RELATED SKILLS IN GRADE 1 CHILDREN IN SOUTH AFRICA</b> <i>Presenter:</i> M de Milander <i>Authors:</i> M de Milander, R Schall R, E de Bruin and M Smuts-Craft <i>Affiliation:</i> Departments of Exercise and Sport Sciences and Mathematical and Actuarial Sciences
Session 8	Kine 1 16h25	<b>CP-8</b>	<b>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</b> <i>Presenter:</i> S van Zyl <i>Authors:</i> S van Zyl, WH Kruger and CM Walsh <i>Affiliation:</i> Departments of Basic Medical Sciences and Departments of Community Health and Nutrition and Dietetics
Session 8	Kine 1 16h30	<b>CP-9</b>	<b>INTERVENTIONS TO IMPROVE YOUNG MEN'S HIV TESTING UPTAKE IN KWAZULU-NATAL, SOUTH AFRICA</b> <i>Presenter:</i> SMS Ndlovu <i>Authors:</i> SMS Ndlovu, A Ross, MA Mulondo and J Ndirangu <i>Affiliation:</i> Division of Public Health
Session 8	Kine 1 16h40	<b>CP-11</b>	<b>PSYCHOSOCIAL FACTORS THAT CONTRIBUTE TO RECIDIVISM IN STATE PATIENTS NECESSITATING READMISSION AT THE FREE STATE PSYCHIATRIC COMPLEX</b> <i>Presenter:</i> NP Makatsa <i>Authors:</i> NP Makatsa and AA George <i>Affiliation:</i> Department of Psychiatry
Session 8	Kine 1 16h45	<b>CP-12</b>	<b>DEVELOPING AN IMPROVED SEIZURE DIARY AS A MONITORING TOOL FOR EPILEPTIC PATIENTS IN SOUTH AFRICA</b> <i>Presenter:</i> CK Egenasi <i>Authors:</i> CK Egenasi, AA Moodley, WJ Steinberg, J Gina and A Adefuye <i>Affiliation:</i> Departments of Family Medicine, Neurology and Biostatistics and Division of Health Sciences Education
Session 8	Kine 1 16h50	<b>CP-13</b>	<b>99MTC-ETHYLENE DICYSSTEINE DEOXYGLUCOSE IMAGING OF SYNOVITIS IN PATIENTS WITH RHEUMATOID ARTHRITIS</b> <i>Presenter:</i> G Engelbrecht <i>Authors:</i> O Evbuomwan, G Engelbrecht and JB Van Rensburg <i>Affiliation:</i> Departments of Nuclear Medicine and Internal Medicine

Session 8	Kine 1 16h55	<b>CP-14</b>	<b>PREVALENCE OF ANXIETY AND DEPRESSIVE DISORDER AND THE ROLE OF COPING STRATEGIES IN COUPLES WITH INFERTILITY</b> <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	<b>CP-15</b>	<b>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</b> <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	<b>CP-16</b>	<b>WILL THE FATHERS IN THE HOUSE PLEASE STAND UP? ASSESSING THE FULFILMENT OF FATHER ROLES IN BETHLEHEM MEN</b> <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	<b>CP-17</b>	<b>COMMUNITY KNOWLEDGE, ATTITUDES AND PRACTICES REGARDING COVID-19 IN THABO MOFUTSANYANE DISTRICT, FREE STATE PROVINCE - 2022</b> <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 17h20	<b>CP-19</b>	<b>PREGNANCIES COMPLICATED BY HELLP SYNDROME: A 2 YEAR REVIEW ON MATERNAL AND PERINATAL OUTCOMES</b> <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	<b>LP-1</b>	<b>EFFECT OF RECEIVING MOBILE TEXT MESSAGES ON CORTISOL CONCENTRATIONS IN STUDENTS AT THE UNIVERSITY OF THE FREE STATE</b> <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	<b>LP-3</b>	<b>THE ANTIPROLIFERATIVE EFFECT OF MORINGA OLEIFERA AQUEOUS LEAF EXTRACT IN MCF-7 BREAST CANCER CELLS</b> <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 15h55	<b>LP-4</b>	<b>THE COMPARISON OF THREE DIFFERENT ISOLATION METHODS OF EXTRACELLULAR VESICLES FROM PLASMA</b> <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 16h00	<b>LP-5</b>	<b>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)</b> <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 16h05	<b>LP-6</b>	<b>THE ADAMTS13-VWF AXIS IN HIV-ASSOCIATED THROMBOTIC THROMBOCYTOPENIC PURPURA</b> <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 16h10	<b>LP-7</b>	<b>THE EFFECT OF MICROVESICLES ON THROMBIN GENERATION IN SEVERE COVID-19 SAMPLES</b> <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 16h15	<b>LP-8</b>	<b>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</b> <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 16h20	<b>LP-9</b>	<b>TESTING RESIDUAL XPRT® MTB/RIF ULTRA DNA FOR DOWNSTREAM APPLICATIONS</b> <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 16h25	<b>LP-10</b>	<b>SEQUENCING MYCOBACTERIA AND ALGORITHM-DETERMINED RESISTANT TUBERCULOSIS TREATMENT (SMARTT) TRIAL ASSISTED IN A RESCUE REGIMEN FOR A DIRE CASE</b> <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 <i>Affiliation:</i> Department of Microbiology, School of Pathology, UFS and NHLS
Session 8	Kine 3 15h45	<b>EP-1</b>	<b>TEACHING STRATEGIES FOR CRITICAL THINKING IN THE UNDERGRADUATE STUDENTS OF THE SCHOOL OF HEALTH AND REHABILITATION SCIENCES AT THE UNIVERSITY OF THE FREE STATE</b> <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	<b>EP-2</b>	<b>USABILITY OF STANDARDS FOR SCAFFOLDING IN A HEALTH SCIENCES PROGRAMME: A FEASIBILITY STUDY</b> <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	<b>EP-3</b>	<b>PROGRESSION FROM SURGICAL MEDICAL OFFICER TO SURGICAL REGISTRAR: EXPERIENCES AND BARRIERS</b> <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    **EP-4**    **EXPLORATORY FACTOR ANALYSIS OF THE MOULAGE AUTHENTICITY RATING SCALE AND PROPOSED ADAPTATIONS**  
16h00  
*Presenter:* C Fourie  
*Authors:* C Fourie and Y Botma  
*Affiliation:* School of Nursing

**PRESENTATIONS FRIDAY, 25 AUGUST 2023**

Session 10    Kine 1    **CR-15**    **CORRELATION BETWEEN CAROTID INTIMA-MEDIA THICKNESS AND PATIENT OUTCOMES IN CORONARY ARTERY DISEASE IN CENTRAL SOUTH AFRICA**  
08h35  
*Presenter:* TV Mokoena  
*Authors:* TV Mokoena, L Botes, SC Brown and FE Smit  
*Affiliation:* Departments of Health Sciences, CUT, Paediatrics and Child Health and Cardiothoracic Surgery

Session 10    Kine 1    **CR-16**    **CORRELATION OF CARDIAC RISK FACTORS WITH CAROTID INTIMA-MEDIA THICKNESS AND RADIAL INTIMA-MEDIA THICKNESS MEASUREMENTS**  
08h50  
*Presenter:* TV Mokoena  
*Authors:* FG van Schalkwyk, FE Smit, SC Brown and L Botes  
*Affiliation:* Departments of Paediatrics and Child Health and Cardiothoracic Surgery

Session 10    Kine 1    **CR-17**    **OUTCOMES OF SINGLE VENTRICLE PHYSIOLOGY IN CENTRAL SOUTH AFRICA**  
09h05  
*Presenter:* MJ van Jaarsveld  
*Authors:* MJ van Jaarsveld, L Botes, FE Smit and SC Brown  
*Affiliation:* Departments of Cardiology, Cardiothoracic Surgery and Paediatrics and Child Health

Session 10    Kine 1    **CR-18**    **ECHOCARDIOGRAPHIC FINDINGS OF HEART DISEASE IN AN ADULT POPULATION IN CENTRAL SOUTH AFRICA**  
09h20  
*Presenter:* FE Smit  
*Authors:* E Van den Heever, L Botes, SC Brown and FE Smit  
*Affiliation:* Department of Cardiology, Paediatrics and Child Health, Cardiothoracic Surgery

Session 10    Kine 1    **CR-19**    **CONTEMPORARY RISK FACTORS ASSOCIATED WITH ISCHEMIC HEART DISEASE IN CENTRAL SOUTH AFRICA: A SINGLE-CENTRE STUDY**  
09h35  
*Presenter:* FE Smit  
*Authors:* M Butler, L Botes, SC Brown and FE Smit  
*Affiliation:* Departments of Cardiology Paediatrics and Child Health, Cardiothoracic Surgery

Session 10    Kine 1    **CR-20**    **ECHOCARDIOGRAPHIC FINDINGS OF HEART DISEASE IN AN ADULT POPULATION IN CENTRAL SOUTH AFRICA**  
09h50  
*Presenter:* E Van den Heever  
*Authors:* E Van den Heever, L Botes, SC Brown and FE Smit  
*Affiliation:* Department of Cardiology, Paediatrics and Child Health, Cardiothoracic Surgery

Session 10    Kine 2    **LR-15**    **SKELETAL PROFILING: INTRODUCING THE FREE STATE COLLECTION FOR ANTHROPOLOGICAL RESEARCH**  
08h35  
*Presenter:* P Maass  
*Authors:* P Maass  
*Affiliation:* Department of Basic Medical Sciences, UFS

Session 10	Kine 2 08h50	<b>LR-16</b>	<b>ASSESSING CRANIOFACIAL SYMMETRY IN A FREE STATE POPULATION</b> <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	<b>LR-17</b>	<b>A PROFILE OF SKELETAL LESIONS THAT ARE ASSOCIATED WITH TUBERCULOSIS IN SOUTH AFRICA</b> <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	<b>LR-18</b>	<b>MORPHOLOGY AND BRANCHING PATTERN OF THE INTERNAL ILIAC ARTERY IN A FREE STATE MALE CADAVERIC SAMPLE</b> <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	<b>LR-19</b>	<b>AUTOPHAGY ACTIVITY IN A IN VIVO BRAIN INJURY MODEL: EXPLORING THE EFFECTS OF INTERMITTENT FASTING</b> <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	<b>LR-20</b>	<b>INVESTIGATING THE IMPACT OF MORINGA OLEIFERA ON CHAPERONE-MEDIATED AUTOPHAGY IN AN IN VITRO MODEL OF HEPATOCELLULAR CARCINOMA</b> <i>Presenter:</i> MA Bopape <i>Authors:</i> MA Bopape, C Tiloke and C Ntsapi <i>Affiliation:</i> Department of Basic Medical Sciences, UFS
Session 12	Kine 1 11h00	<b>CR-21</b>	<b>THE ASSOCIATION BETWEEN THE PREVALENCE OF HIV INFECTION AND ECTOPIC PREGNANCY</b> <i>Presenter:</i> MM Mohosho <i>Authors:</i> MM Mohosho <i>Affiliation:</i> Department of Basic Medical Sciences, UFS
Session 12	Kine 1 11h15	<b>CR-22</b>	<b>MATERNAL FOLATE, VITAMIN B12 LEVELS AND NEURAL TUBE DEFECTS AT UNIVERSITAS-PELONOMI ACADEMIC COMPLEX IN MANGAUNG</b> <i>Presenter:</i> GCR Maphiri <i>Authors:</i> GCR Maphiri, SM Baloyi, O Gavi and M Nel <i>Affiliation:</i> Departments of Obstetrics and Gynaecology and Biostatistics
Session 12	Kine 1 11h30	<b>CR-23</b>	<b>POPULATION-BASED RISK FACTORS IN THE EPIDEMIOLOGY OF CONGENITAL ANOMALIES IN A SOUTH AFRICAN ACADEMIC HOSPITAL</b> <i>Presenter:</i> MTS Herbst <i>Authors:</i> MTS Herbst <i>Affiliation:</i> Department of Surgery
Session 12	Kine 1 11h45	<b>CR-24</b>	<b>THE PREVALENCE OF PREOPERATIVE ANAEMIA IN WOMEN UNDERGOING CAESAREAN SECTIONS AT PELONOMI HOSPITAL</b> <i>Presenter:</i> J Lemmer-Malherbe <i>Authors:</i> S Skweyiya, O Thole, N Mhlanga, T Maphumla, P Phooko, D Mahoko, T Letsoara, L Masango and J Lemmer-Malherbe <i>Affiliation:</i> Department of Anaesthesiology

Session 12	Kine 2 11h00	<b>LR-21</b>	<b>NO CALCIFICATION AND INFLAMMATION DEMONSTRATED IN A TRANSCATHETER HEART VALVE CONTAINING FIXED AND UNFIXED DECELLULARISED BOVINE PERICARDIUM SCAFFOLDS IN A JUVENILE SHEEP STUDY</b> <i>Presenter:</i> FE Smit <i>Authors:</i> FE Smit, A Doubell, A Lewies, JJ van den Heever, P Marimuthu, CJ Jordaan, L Botes and H Weich <i>Affiliation:</i> Department of Cardiothoracic Surgery, UFS
Session 12	Kine 2 11h15	<b>LR-22</b>	<b>EFFECT OF THREE DIFFERENT PROCESSING TECHNIQUES ON PROPERTIES AND CLINICAL PERFORMANCE OF PULMONARY HOMOGRAPHS WITH EXTENDED ISCHEMIC TIME IN THE RVOT OF AN OVINE MODEL</b> <i>Presenter:</i> JJ van den Heever <i>Authors:</i> JJ van den Heever, CJ Jordaan, A Lewies, J Goedhals, L Botes, P Mari Muthu, PM Dohmen and FE Smit <i>Affiliation:</i> Department of Cardiothoracic Surgery, UFS
Session 12	Kine 2 11h30	<b>LR-23</b>	<b>THE HEPATOPROTECTIVE EFFECTS OF MORINGA OLEIFERA AGAINST ANTIRETROVIRAL INDUCED CYTOTOXICITY IN HEPG2 CELLS</b> <i>Presenter:</i> M Saki <i>Authors:</i> M Saki, H De Villiers, C Ntsapi and C Tiloke <i>Affiliation:</i> Department of Basic Medical Sciences, UFS
Session 13	Kine 1 12h00	<b>CP-20</b>	<b>CAESAREAN SECTIONS AT PELONOMI HOSPITAL USING ROBSONS 10 - GROUP CLASSIFICATIONS</b> <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	<b>CP-22</b>	<b>CONCEPTUAL MAP OF KNOWLEDGE TRANSFER IN OCCUPATIONAL THERAPY CLINICAL PRACTICE IN CENTRAL SOUTH AFRICA</b> <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	<b>CP-23</b>	<b>THE DEVELOPMENT AND IMPLEMENTATION OF A MODEL TO FACILITATE SELF-CARE OF THE PROFESSIONAL NURSES CARING FOR CRITICALLY ILL PATIENTS</b> <i>Presenter:</i> MG Chipu <i>Authors:</i> MG Chipu and C Downing <i>Affiliation:</i> School of Nursing
Session 13	Kine 1 12h15	<b>CP-24</b>	<b>FEEDING PRACTICES OF MOTHERS WITH CHILDREN ATTENDING ECD CENTERS IN THE XHARIEP DISTRICT</b> <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	<b>CP-25</b>	<b>THE EFFECT OF A MOTOR INTERVENTION PROGRAMME FOR LEARNERS IDENTIFIED WITH MODERATE TO SEVERE INTELLECTUAL DISABILITIES</b> <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



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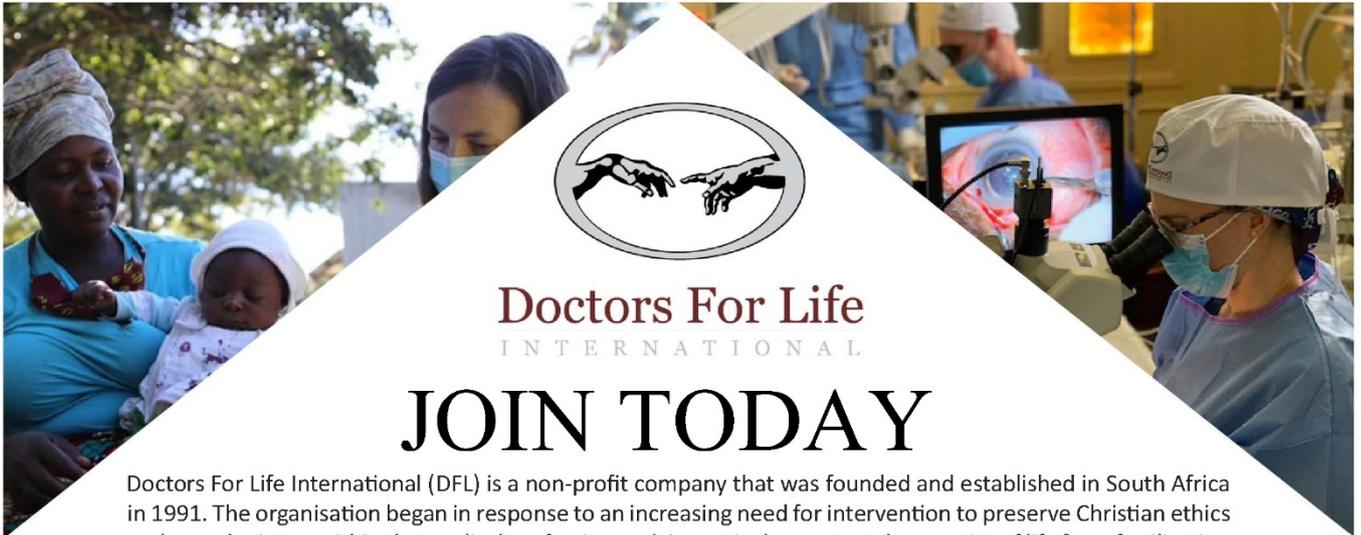
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