

50  
YEARS  
FACULTY OF  
HEALTH SCIENCES



# **Faculty of Health Sciences** RESEARCH FORUM

20  
21

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## FACULTY OF HEALTH SCIENCES 52<sup>nd</sup> RESEARCH FORUM

Thursday 26 and Friday 27 August 2021

The Faculty of Health Sciences has a recognised research record and is globally competitive in terms of research; the Faculty Research Forum thus being an annual highlight on the calendar.

The 2021 Faculty Research Forum will, as in the past, be characterised by high quality submissions for presentations, showcasing the significant recent progress in research development.

With this, the 52<sup>nd</sup> Faculty Research Forum, it is the Faculty's vision that emerging trends in research processes will come to fulfilment.

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**Message from Professor GJ van Zyl**  
**Dean Faculty of Health Sciences**

Professor GJ van Zyl's message for the Faculty Research Forum 2021

A warm and special welcome to the 52<sup>nd</sup> Faculty Research Forum.

It is difficult to have a Faculty Forum, especially during a pandemic, but we are fortunate to have the Forum this year having had to skip the Forum in 2020. This year will also be a first for the faculty with the Forum taking place in an online environment. Each Forum has its own character and we hope that the online Faculty Forum of 2021 will produce the same excellent result as it did in the past. Thank you to all the organizing committee members for all their efforts in making this online version a success. Thank you to each researcher who presents this year for having invested the time and effort to participate in this prestigious research event. 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 and sponsors and the faculty community at large. Thank you!



A cordial welcome is extended to Prof Edelweiss Wentzel-Viljoen as the presenter of the 2021 FP Retief Lecture. We are grateful to have three highly distinguished external adjudicators attending: Prof Michelle L Wong (WITS), Dr Sue J Armstrong, (WITS) and Prof Laurence Court, Houston, Texas. Also, as far as I know, this is the first time that an external adjudicator from outside South Africa is attending the Forum. Thank you for contributing to this special event!

The annual Faculty Research Forum is one of the most notable highlights on the calendar of the Faculty of Health Sciences at the University of the Free State. It is my pleasure to thank each of you for presenting your research, attending the paper and poster presentations, or contributing to the success of the Forum in any other way. I especially request your online attendance at the session that presents the student winners of 2021. Every year this is a session highlight that justly deserves the attention of all faculty members. Your attendance at this session allows our students the recognition they deserve.

Prof Corli Witthuhn will be opening the Faculty Research Forum of 2021, this will ensure that the Forum will start on a high note and will set the scene for the rest of the Forum. We are also deeply indebted to the organising committee for their effort and hard work behind the scenes. Finally, I would like to reiterate the invitation to attend the FP Retief Lecture, as well as the presentations by our external evaluators. May the Forum, even if it is online, be a rewarding experience.

Please have patience with us with the new mode of the Forum- this is also a steep learning curve for all of us. Stay safe, sanitize and wear your mask! Welcome to all and enjoy the 2021 Forum!

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**Prof GJ van Zyl**  
**DEAN**



HEALTH SCIENCES  
**UFS**

## EXTERNAL ADJUDICATORS

### CLINICAL EXTERNAL ADJUDICATOR **Prof Michelle Wong**



Prof Michelle L Wong is currently appointed as Clinical Head: Division of Pulmonology and Principal Specialist: Department of Internal Medicine, Chris Hani Baragwanath Academic Hospital, Johannesburg, South Africa and Academic Head and Adjunct Professor: Division of Pulmonology, School of Clinical Medicine, Faculty of Health Sciences, University of the Witwatersrand. She holds a MBBCh (University of the Witwatersrand), Diploma in Child Health. She is a Fellow of the College of Physicians of South Africa, Fellow of the American College of Chest Physicians and Fellow of the Royal College of Physicians (London).

She is a member of Executive Council and Honorary Secretary, South African Thoracic Society. Prof Michelle Wong is also a member of clinical guideline committees (asthma, chronic obstructive pulmonary disease, idiopathic pulmonary fibrosis, lung cancer) and sub-editor for African Journal of Thoracic and Critical Care Medicine (official journal of the South African Thoracic Society).

### EDUCATIONAL EXTERNAL ADJUDICATOR **Dr Sue Armstrong**

Dr Sue J Armstrong trained as a nurse at St Thomas' Hospital in London, England. On her return to South Africa, she completed her midwifery course and worked at both Barberton Hospital and the Johannesburg Hospital before commencing her Diploma in Nursing Education at the University of the Witwatersrand. She holds a BA Cur degree, a B Ed degree, an MSc Nursing and a Doctorate in Nursing.



After many years in nursing education both at college and provincial level, Sue was appointed the Director of Quality Assurance at the Gauteng Department of Health where she worked for seven years before moving to the University of the Witwatersrand where she is teaching and supervising post-graduate nursing students in the fields of nursing education and nursing management. She is a reviewer for several academic journals and a contributor to publications on nursing. She advises on quality assurance and nursing matters and is the Chairperson of the Nursing Education Association.

### LABORATORY EXTERNAL ADJUDICATOR **Prof Laurence Court**



Prof Laurence E Court's original training and employment were in medical imaging, after which he trained in radiation oncology and completed a postdoctoral fellowship with Dr Lei Dong in 2002-2003. During that time, he developed CT-guided radiotherapy techniques, and image-registration software. Subsequent to that fellowship, Prof Laurence Court spent 6 years as a clinical physicist at Dana-Farber / Brigham & Women's Cancer Center (Harvard Medical School), ending up with the position of Director of Clinical Physics. There he was responsible for the clinical introduction of intensity-modulated radiotherapy, and many image-guided treatment setup techniques. He was also responsible for many clinical physics tasks, including quality assurance and coordination of network clinics. He holds a BS degree (Physics with Medical Physics) (University College London), a PhD (Physics - digital mammography system design) (University College London), a diploma (Sheffield University - Japanese Language and Society) and has a Research Fellowship, Medical Physics, The University of Texas MD Anderson Cancer Center, Houston, Texas.

He moved back to MD Anderson in 2010 and am currently leading a research group with around 20 PhD students, faculty and computational scientists, focusing on two research areas: (1) the applications of image analysis in oncology, including creation of models to predict overall survival based on clinical and imaging factors, and (2) the development of tools to support access to radiation therapy in low-resource settings (including automated treatment planning).

## **27<sup>th</sup> – FP RETIEF Lecture**

**INVITED SPEAKER**

### **Professor Edelweiss Wentzel-Viljoen**



Prof Edelweiss Wentzel-Viljoen, PhD Dietetics, is a national of South Africa, with experience in both rural and urban areas in South Africa and registered as a Dietitian and Nutritionist with the Health Professional Council of South Africa. She has extensive expertise in nutrition research, dietary methodology, food composition data, curriculum development, continuing professional development for health professionals, leadership development, project management (including the organization of international congresses), policy development and monitoring and evaluation. She has more than 35 years of experience in the field of nutrition at a provincial and national level in South Africa. She was the lead for the collection of dietary data in the National Food Consumption Survey 1 – 9-year-olds for two of the nine provinces in South Africa. Recently she was part of the multi-sectoral team responsible for the legislation regarding salt reduction content of certain food stuffs and the use of a nutrient profiling model to assess if food stuffs are eligible to carry a nutrient and/or health claim. She was responsible for evaluations of the Primary School Nutrition Programme (PSNP) at provincial and national level and developed a framework for the evaluation of nutrition programmes. She is passionate about leadership development, development of young people and is part of the African Nutrition Leadership Programme (ANLP) team. In 2019 Edelweiss joined 'Partners for Possibility' as a partner. P4P focus on leadership development in schools. She worked as a researcher at the South African Medical Research Council for 8 years. She has published and presented research nationally and internationally. She has served as the Chairperson for the Professional Board for Dietetics and Nutrition (1996 – 1999; 2010-2015), President of the Association for Dietetics in South Africa (1996 – 1998) and Chairperson of local nutrition congresses. She was employed full time as Professor in Nutrition, School for Physiology, Nutrition and Consumer Sciences, Faculty of Health Sciences, North-West University from 1 April 2011 to 31 January 2015. She was the Programme Leader for the 4-year Dietetic undergraduate programme and the modules of the MSc Dietetics/Nutrition.

Research focus includes dietary intake, nutrient and dietary patterns, nutrition transition, nutrient profiling, infant and young child nutrition, development of food-based dietary guidelines, nutrition-related policy development, evaluation of nutrition-related programmes/interventions and salt reduction strategy and hypertension.

#### **CURRENT EMPLOYMENT**

She is currently a free-lance nutrition consultant and appointed as extra-ordinary professor of nutrition at the Centre of Excellence for Nutrition (CEN), Faculty of Health Sciences, North-West University (NWU) from 1 February 2015 – 31 December 2023.

# FP RETIEF Lecture

## 27 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 21<sup>st</sup> 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 CJC Nel se loopbaan in die Fakulteit / 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*

**2020** - None



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## ORGANIZING COMMITTEE

<b>Chair:</b>	Ms Anneke van der Spoel van Dijk
<b>Vice chair:</b>	Dr Robyn Smith
<b>Dean:</b>	Prof Gert van Zyl
<b>Vice-Dean: Research:</b>	Prof Joyce Tsoka-Gwegweni
<b>Faculty Admin:</b>	Ms Marlene Viljoen
<b>Liaison Officer:</b>	Mr Reuben Maeko
<b>Research Admin:</b>	Ms Monica Fleischman
<b>School of Clinical Medicine:</b>	Dr Shaun Maasdorp
<b>School of Pathology:</b>	Ms Anneke van der Spoel van Dijk
<b>School of Biomedical Sciences:</b>	Dr Quinton Meyer
<b>School of Health and Rehabilitation Sciences:</b>	Dr Robyn Smith
<b>School of Nursing:</b>	Dr Melanie Pienaar
<b>Laboratory:</b>	Dr Willie Shaw
<b>Clinical:</b>	Dr Shaun Maasdorp
<b>Educational:</b>	Dr Lizemari Hugo
<b>Student Forum Chair:</b>	Dr Petra Maass

## EVALUATION COMMITTEES

### **CLINICAL**

Internal Evaluation Committee:	Dr Shaun Maasdorp (Chair) Dr Claire Armour Dr Roline Barnes
External adjudicator:	Prof Michelle Wong, University of the Witwatersrand
Adjudicators of research articles:	Prof Michelle Wong - University of the Witwatersrand Prof Binu Luke – University of the Witwatersrand Prof Aimee Stewart – University of the Witwatersrand

### **LABORATORY**

Internal Evaluation Committee:	Dr Willie Shaw (Chair) Ms Sandhya Sreenivasan Tantuan Dr Jenelle Govender
External adjudicator:	Prof Laurence Court – MD Anderson Cancer Centre, Texas, Houston
Adjudicators of research articles:	Prof Laurence Court – MD Anderson Cancer Centre, Texas, Houston Dr Chris Trauernicht – Stellenbosch University Dr Charlot Vandevoorde – iTHEMBA LABS

### **EDUCATIONAL**

Internal Evaluation Committee	Dr Lizemari Hugo (Chair) Dr Monique Strauss Prof Anthonio Adefuye
External adjudicator	Dr Sue Armstrong – University of the Witwatersrand
Adjudicators of research articles:	Dr Sue Armstrong – University of the Witwatersrand Dr Elize Archer – Stellenbosch University Prof Susan van Schalkwyk – Stellenbosch University

**PRIZE WINNERS OF RESEARCH ARTICLES  
2020**

**John van der Riet Medal Winner**

Louise van den Berg, Mohlakotsana Mokhehle & Jacques Raubenheimer

Department of Nutrition and Dietetics, School of Health and Rehabilitation Sciences

***Nutritional status, glycaemic control and barriers to treatment compliance among patients with type 2 diabetes attending public primary health clinics in Maseru, Lesotho***

Endocrinology, Metabolism and Diabetes of South Africa 24(3) (2019)

**Muller Potgieter Medal Winner**

A.C. van Marle, J. Joubert, S.M. Meiring

Department of Haematology and Cell Biology, School of Pathology

***Comparison of ADAMTS13 and Von Willebrand factor levels and activities, and plasminogen levels, in plasma products currently available for the treatment of thrombotic thrombocytopenic purpura in South Africa***

Transfusion and Apheresis Science 58 (2019)

**Kerneels Nel Medal Winner**

Champion N. Nyoni, Yvonne Botma

School of Nursing

***Implementing a competency-based midwifery programme in Lesotho: A gap analysis***

Nurse Education in Practice 34 (2019)

*We express our sincere gratitude to the evaluation committees.*

## **PRIZE WINNERS OF RESEARCH ARTICLES 2021**

### **John van der Riet Medal Winner**

HC Spies, VL van den Berg & M Nel

Department of Nutrition and Dietetics, School of Health and Rehabilitation Sciences

***Knowledge, attitude and practices of patients receiving maintenance***

***haemodialysis in Bloemfontein, South Africa***

South African Journal of Clinical Nutrition (2020)

### **Muller Potgieter Medal Winner**

Peter N. Mwangi<sup>1</sup>, Milton T. Mogotsi<sup>1</sup>, Mapaseka L. Seheri<sup>2</sup>, M. Jeffrey Mphahlele<sup>2,3</sup>, Ina Peenze<sup>2</sup>, Mathew D. Esona<sup>2</sup>, Benjamin Kumwenda<sup>4</sup>, A. Duncan Steele<sup>5</sup>, Carl D. Kirkwood<sup>5</sup>, Valentine N. Ndze<sup>6</sup>, Francis E. Dennis<sup>7</sup>, Khuzwayo C. Jere<sup>8,9,10</sup> and Martin M. Nyaga<sup>1</sup>

<sup>1</sup>Next Generation Sequencing Unit and Division of Virology, School of Pathology

***Whole Genome In-Silico Analysis of South African G1P[8] Rotavirus Strains Before and After Vaccine Introduction Over A Period of 14 Years***

Vaccines 8 (2020)

### **Kerneels Nel Medal Winner**

Cynthia Spies, Yvonne Botma

School of Nursing

***Optimising simulation learning experiences for mature, postgraduate nursing students***

Nurse Education in Practice 47 (2020)

*We express our sincere gratitude to the evaluation committees.*

## ACKNOWLEDGEMENTS

### PARTICIPATING COMPANIES

We express our sincere thanks to the companies mentioned below for their financial support and valued participation in the 2021 Faculty of Health Sciences Faculty Research Forum of the University of the Free State.

#### **DONORS**

##### BRONZE

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Life Rosepark Hospital

UFS School of Nursing

##### GOLD

None

##### PLATINUM

Faculty Management Committee, Faculty of Health Sciences

Prof C Witthuhn, Vice-Rector: Research, University of the Free State

**SARTORIUS**



**Programme**  
**THURSDAY, 26 AUGUST 2021**

	<b>KINE 1:</b> <a href="https://eu.bbcollab.com/guest/6e936faa09bb408cbbb28e232b5af036">eu.bbcollab.com/guest/6e936faa09bb408cbbb28e232b5af036</a>		
<b>SESSION 1</b> 08h00-08h30	<i>Chairperson: Ms A van der Spoel van Dijk</i> <i>Opening: Prof GJ van Zyl (Dean: Faculty of Health Sciences)</i> <b>Opening Lecture: Prof C Witthuhn (Vice-Rector: Research, UFS)</b>		
<b>SESSION 2</b> 08h35-10h05	<b>KINE 1</b> <a href="https://eu.bbcollab.com/guest/6e936faa09bb408cbbb28e232b5af036">eu.bbcollab.com/guest/6e936faa09bb408cbbb28e232b5af036</a>	<b>KINE 2</b> <a href="https://eu.bbcollab.com/guest/08fc85c2dee04d29a3229c277ef230f6">eu.bbcollab.com/guest/08fc85c2dee04d29a3229c277ef230f6</a>	<b>KINE 3</b> <a href="https://eu.bbcollab.com/guest/ef77a039c8c34835bca02b0446107efb">eu.bbcollab.com/guest/ef77a039c8c34835bca02b0446107efb</a>
	<i>Chairperson:</i> Dr A van der Merwe <b>Clinical Papers:</b> CR 1 to 6	<i>Chairperson:</i> Prof CD Viljoen <b>Laboratory Papers:</b> LR 1 to 6	<i>Chairperson:</i> Dr D van Jaarsveldt <b>Educational Papers:</b> ER 1 to 6
08h35-08h50	CR1 Elmine du Toit	LR1 Michaela Morphis	ER1 Champion Nyoni
08h50-09h05	CR2 Ermi Spies	LR2 Teboho Mooko	ER2 Nokuthula Tlalajoe
09h05-09h20	CR3 Marizeth Jordaan	LR3 Beynon Abrahams	ER3 Dirkie Swinfen
09h20-09h35	CR4 Louise van den Berg	LR4 Tshagofatso Ramphaleng	ER4 Lynette van der Merwe
09h35-09h50	CR5 Liska Robb	LR5 Walter Janse v Rensburg	ER5 Dirk Hagemeister
09h50-10h05	CR6 Corinna Walsh	LR6 Chené Bester	ER6 Dirk Hagemeister
<b>TEA (10h05 – 10h25)</b> (Visiting the sponsor sites)			
	<b>KINE 1:</b> <a href="https://eu.bbcollab.com/guest/6e936faa09bb408cbbb28e232b5af036">eu.bbcollab.com/guest/6e936faa09bb408cbbb28e232b5af036</a>		
<b>SESSION 3</b> 10h25-10h55	<i>Chairperson: Dr SD Maasdorp</i> <b>Invitation Lecture: Prof Michelle Wong (WITS)</b> <i>"Where there's smoke, there's fire."</i>		
<b>SESSION 4</b> 11h00-13h00	<b>KINE 1</b> <a href="https://eu.bbcollab.com/guest/6e936faa09bb408cbbb28e232b5af036">eu.bbcollab.com/guest/6e936faa09bb408cbbb28e232b5af036</a>	<b>KINE 2</b> <a href="https://eu.bbcollab.com/guest/08fc85c2dee04d29a3229c277ef230f6">eu.bbcollab.com/guest/08fc85c2dee04d29a3229c277ef230f6</a>	<b>KINE 3</b> <a href="https://eu.bbcollab.com/guest/ef77a039c8c34835bca02b0446107efb">eu.bbcollab.com/guest/ef77a039c8c34835bca02b0446107efb</a>
	<i>Chairperson:</i> Prof M Reid <b>Clinical Papers:</b> CR 7 to 14	<i>Chairperson:</i> Prof FJ Burt <b>Laboratory Papers:</b> LR 7 to 14	<i>Chairperson:</i> Dr R Smith <b>Educational Papers:</b> ER 7 to 13
11h00-11h15	CR7 Melanie Pienaar	LR7 Liska Budding	ER7 Hanneke Brits
11h15-11h30	CR8 Grace Ngundu	LR8 Jane Duncan	ER8 Carin Meyer
11h30-11h45	CR9 Florence Mbuthia	LR9 Jean Kloppers	ER9 Louise van den Berg
11h45-12h00	CR10 Elsabet van Rensburg	LR10 Hemasha Mothi	ER10 Roné Vorster-de Wet
12h00-12h15	CR11 Mita Mofokeng	LR11 Muriel Meiring	ER11 Gina Joubert
12h15-12h30	CR12 Chanté Mathews	LR12 Nina van Heerden	ER12 Monique de Milander
12h30-12h45	CR13 Carmen Bonafede	LR13 Likhona Dingiswayo	ER13 Ronelle Jansen
12h45-13h00	CR14 Colleen Sinclair	LR14 Anneke vd Spoel van Dijk	
<b>LUNCH (13h00-13h45)</b> (Visiting the sponsor sites)			

<b>SESSION 5</b> 13h45-14h15	<b>KINE 1:</b> <a href="https://eu.bbcollab.com/guest/6e936faa09bb408cbbb28e232b5af036">eu.bbcollab.com/guest/6e936faa09bb408cbbb28e232b5af036</a>	
	Chairperson: Prof GJ van Zyl <b>FP Retief Lecture:</b> Prof Edelweiss Wentzel-Viljoen “The South African Salt Story.”	
<b>SESSION 6</b> 14h15-15h00	Chairperson: Dr Petra Maass <a href="https://eu.bbcollab.com/guest/6e936faa09bb408cbbb28e232b5af036">eu.bbcollab.com/guest/6e936faa09bb408cbbb28e232b5af036</a>	
14h15-14h30	Best Student Paper	School of Health and Rehabilitation Sciences
14h30-14h45	Best Student Paper	School of Nursing
14h45-15h00	Best Student Paper	School of Medicine
<b>TEA (15h00-15h20)</b> (Visiting the sponsor sites)		
<b>SESSION 7</b> 15h20-16h05	Poster viewing: <a href="https://eu.bbcollab.com/guest/504234c43008478a91f89544f3a78662">https://eu.bbcollab.com/guest/504234c43008478a91f89544f3a78662</a> <b>KINE 1</b> Poster presentations: <a href="https://eu.bbcollab.com/guest/6e936faa09bb408cbbb28e232b5af036">eu.bbcollab.com/guest/6e936faa09bb408cbbb28e232b5af036</a>	
	Chairperson: Prof A Sherriff <b>Clinical Posters:</b> CP 1 to 5	
15h20-15h25	CP1 Osayande Evbuomwan	
15h25-15h30	CP2 Jocelyn Naicker	
15h30-15h35	CP3 Marius Coetzee	
15h35-15h40	CP4 Busiswa Bisiwe	
15h40-15h45	CP5 Marizanne de Bruin	
	Chairperson: Ms A van der Spoel van Dijk <b>Laboratory Posters:</b> LP 1	
15h45-15h50	LP1 Liska Budding	
	Chairperson: Prof EC Janse van Vuuren <b>Educational Posters:</b> EP 1 to 3	
15h50-15h55	EP1 Hanneke Brits	
15h55-16h00	EP2 Lynette van der Merwe	
16h00-16h05	EP3 Sanet van Zyl	
16h05-17h30	<b>SPONSOR SLOTS</b> / Visiting sponsor sites	

**Programme**  
**FRIDAY, 27 AUGUST 2021**

	<b>KINE 1:</b> <a href="https://eu.bbcollab.com/guest/6e94739654b04a4092a989ed71359a40">eu.bbcollab.com/guest/6e94739654b04a4092a989ed71359a40</a>	
<b>SESSION 8</b> <b>08h00-08h30</b>	<p style="text-align: center;">Chairperson: <i>Dr L Hugo</i>  <b>Invitation Lecture:</b> <i>Dr Sue Armstrong</i>  <i>"Light at the end of a long, long tunnel? Reflections on the state of nursing education in South Africa."</i></p>	
<b>SESSION 9</b> <b>08h35-10h05</b>	<b>KINE 1</b> <a href="https://eu.bbcollab.com/guest/6e94739654b04a4092a989ed71359a40">eu.bbcollab.com/guest/6e94739654b04a4092a989ed71359a40</a>	<b>KINE 2</b> <a href="https://eu.bbcollab.com/guest/cf0beae523444c8edc501726a8dc32">eu.bbcollab.com/guest/cf0beae523444c8edc501726a8dc32</a>
	Chairperson: <i>Prof TJ Naicker</i> <b>Clinical Papers:</b> CR 15 - 20	Chairperson: <i>Ms A van der Spoel van Dijk</i> <b>Laboratory Papers:</b> LR 15 – 20
<i>08h35-08h50</i>	CR15 Jennifer Ngounda	LR15 Matefo Litabe
<i>08h50-09h05</i>	CR16 Elna de Waal	LR16 Tumelo Sekee
<i>09h05-09h20</i>	CR17 Joyce Tsoka-Gwegweni	LR17 Felicity Burt
<i>09h20-09h35</i>	CR18 Osayande Evbuomwan	LR18 Corne Thuynsma
<i>09h35-09h50</i>	CR19 Stephen Brown	LR19 Peter Mwangi
<i>09h50-10h05</i>	CR20 Stephen Brown	LR20 Wairimu Maringa
<b>TEA/TEE (10h05-10h25) (Visiting the sponsor sites)</b>		
<b>SESSION 10</b> <b>10h25-11h55</b>	<b>KINE 1</b> <a href="https://eu.bbcollab.com/guest/6e94739654b04a4092a989ed71359a40">eu.bbcollab.com/guest/6e94739654b04a4092a989ed71359a40</a>	<b>KINE 2</b>
	Chairperson: <i>Prof N Mofolo</i> <b>Clinical Papers:</b> CR 21 - 26	
<i>10h25-10h40</i>	CR21 Shaaista Cassim	
<i>10h40-10h55</i>	CR22 Leoni de Man	
<i>10h55-11h10</i>	CR23 Seta Machai	
<i>11h10-11h25</i>	CR24 Busiswa Bisiwe	
<i>11h25-11h40</i>	CR25 Willem Dahms	
<i>11h40-11h55</i>	CR26 Jacobus Coetzee	
<b>SESSION 11</b> <b>11h55-12h25</b>	<b>KINE 1:</b> <a href="https://eu.bbcollab.com/guest/6e94739654b04a4092a989ed71359a40">eu.bbcollab.com/guest/6e94739654b04a4092a989ed71359a40</a>	
	<p style="text-align: center;">Chairperson: <i>Dr W Shaw</i>  <b>Invitation Lecture:</b> <i>Prof Laurence Court</i>  <i>"Bringing AI to the clinic."</i></p>	

<b>LUNCH (12h25-13h10)</b> <i>(Visiting the sponsor sites)</i>		
<b>SESSION 12</b> <b>13h10 – 13h55</b>	<b>KINE 1:</b> <a href="https://eu.bbcollab.com/guest/6e94739654b04a4092a989ed71359a40">eu.bbcollab.com/guest/6e94739654b04a4092a989ed71359a40</a>	
	Chairperson: <i>Prof GJ van Zyl</i> <b>Reflections:</b> External Evaluators	
13h10-13h25	Reflection Clinical External Adjudicator	Prof Michelle Wong
13h25-13h40	Reflection Educational External Adjudicator	Dr Sue Armstrong
13h40-13h55	Reflection Laboratory External Adjudicator	Prof Laurence Court
<b>CLOSURE</b> <i>Prof GJ van Zyl</i>		
<i>(Visiting the sponsor sites)</i>		
	<b>VIRTUAL</b>	
15h30	<b>Announcement of Winners</b> <a href="https://eu.bbcollab.com/guest/6e94739654b04a4092a989ed71359a40">eu.bbcollab.com/guest/6e94739654b04a4092a989ed71359a40</a>  <b>IMPORTANT NOTICE:</b>  <b>Arrangements</b> for the handing over of trophies, certificates and medals, as well as taking of photos <b>would be communicated with winners after the Forum at short notice.</b>	

**Programme**  
**THURSDAY, 26 AUGUST 2021**

<b>Session 2</b>	<b>KINE 1</b>	<p><b>CR1 DO CAREGIVERS OF LEARNERS MEET RECOMMENDATIONS FOR BREAKFAST AND LUNCHBOX FOODS?</b></p> <p>08h35-08h50</p> <p>Presenter: <u>Elmine du Toit</u></p> <p><b>Authors:</b> T Hansen<sup>1</sup>, E du Toit<sup>1</sup>, R Lategan-Potgieter<sup>2</sup>, C van Rooyen<sup>3</sup></p> <p><b>Department:</b> <sup>1</sup>Nutrition and Dietetics; <sup>2</sup>Department of Health Sciences, USA; <sup>3</sup>Biostatistics</p>
<b>Session 2</b>	<b>KINE 1</b>	<p><b>CR2 NUTRITIONAL STATUS OF PATIENTS RECEIVING MAINTENANCE HAEMODIALYSIS IN BLOEMFONTEIN, SOUTH AFRICA</b></p> <p>08h50-09h05</p> <p>Presenter: <u>Ermi Spies</u></p> <p><b>Authors:</b> HC Spies<sup>1</sup>, VL vd Berg<sup>2</sup>, R Nel<sup>3</sup></p> <p><b>Departments:</b> <sup>1,2</sup>Nutrition and Dietetics, <sup>3</sup>Biostatistics, UFS</p>
<b>Session 2</b>	<b>KINE 1</b>	<p><b>CR3 ASSOCIATIONS BETWEEN INDICATORS OF SOCIO-DEMOGRAPHY OF PREGNANT WOMEN AND BIRTH OUTCOME OF THEIR NEWBORN INFANTS: THE NuEMI STUDY</b></p> <p>09h05-09h20</p> <p>Presenter: <u>Marizeth Jordaan</u></p> <p><b>Authors:</b> EM Jordaan, G Joubert, L Robb, J Ngounda, CM Walsh</p> <p><b>Department:</b> Nutrition and Dietetics, Biostatistics</p>
<b>Session 2</b>	<b>KINE 1</b>	<p><b>CR4 JOB SATISFACTION AND PERCEPTION OF WORKLOAD AMONGST DIETITIANS AND NUTRITIONISTS IN SOUTH AFRICA</b></p> <p>09h20-09h35</p> <p>Presenter: <u>Louise van den Berg</u></p> <p><b>Authors:</b> L van den Berg, E Spies, C van Rooyen</p> <p><b>Department:</b> Nutrition and Dietetics, Biostatistics</p>
<b>Session 2</b>	<b>KINE 1</b>	<p><b>CR5 DIETARY INTAKE AND FOOD SOURCES OF CHOLINE IN PREGNANT WOMEN IN BLOEMFONTEIN, SOUTH AFRICA</b></p> <p>09h35-09h50</p> <p>Presenter: <u>Liska Robb</u></p> <p><b>Authors:</b> L Robb, G Joubert, EM Jordaan, J Ngounda and CM Walsh</p> <p><b>Department:</b> Nutrition and Dietetics and Biostatistics</p>
<b>Session 2</b>	<b>KINE 1</b>	<p><b>CR6 FOOD SECURITY AND THE ONSET OF MENARCHE IN TEENAGE SCHOOLGIRLS FROM AN URBAN SETTING IN SOUTH AFRICA</b></p> <p>09h50-10h05</p> <p>Presenter: <u>Corinna Walsh</u></p> <p><b>Authors:</b> CM Walsh, EM Jordaan, MM Nel</p> <p><b>Department:</b> Nutrition and Dietetics and Biostatistics</p>
<b>Session 2</b>	<b>KINE 2</b>	<p><b>LR1 MODELLING OF ENERGY-DEPENDENT SPECTRAL RESOLUTION FOR SPECT MONTE CARLO SIMULATIONS USING SIMIND</b></p> <p>08h35-08h50</p> <p>Presenter: <u>Michaela Morphis</u></p> <p><b>Authors:</b> M Morphis, JA van Staden, H du Raan, M Ljungberg</p> <p><b>Department:</b> Medical Physics</p>
<b>Session 2</b>	<b>KINE 2</b>	<p><b>LR2 CANNABIS SATIVA L. FLOWER AND BUD EXTRACTS INHIBITED IN VITRO CHOLINESTERASES AND B-SECRETASE ENZYMES ACTIVITIES: POSSIBLE MECHANISMS OF CANNABIS USE IN ALZHEIMER DISEASE</b></p> <p>08h50-09h05</p> <p>Presenter: <u>Teboho Mooko</u></p> <p><b>Authors:</b> T Mooko, A Bala, S Tripathy, CS Kumar, CP Mahade Vappa,</p>

SK Chaudhary and MG Matsabisa

**Department:** Pharmacology

Session 2	KINE 2	<b>LR3 COMBINATION TREATMENT OF TYROSINE KINASE INHIBITOR EGFR AND DOXORUBICIN SYNERGISTICALLY INHIBITS PROLIFERATION OF MDA-MB 231 CELLS</b> 09h05-09h20 Presenter: <u>Beynon Abrahams</u> <b>Authors:</b> B Abrahams and DC Hiss <b>Departments:</b> Basic Medical Sciences, UFS and Medical Biosciences, University of the Western Cape (UWC)
Session 2	KINE 2	<b>LR4 CLINAL VARIATION OF POPULATION IN THE RAYMOND DART LIFE AND DEATH MASK COLLECTION</b> 09h20-09h35 Presenter: <u>Tshegofatso Ramphaleng</u> <b>Authors:</b> TK Ramphaleng <sup>1,2</sup> , J Hemingway <sup>2</sup> , T Houlton <sup>2</sup> and N Briers <sup>2</sup> <b>Departments:</b> <sup>1</sup> Department of Basic Medical Sciences, UFS; <sup>2</sup> Human Variation and Identification Research Unit, School of Anatomical Sciences, University of the Witwatersrand, Johannesburg.
Session 2	KINE 2	<b>LR5 HLA FREQUENCIES IN THE FREE STATE: POSSIBLE NOVEL DISEASE ASSOCIATION?</b> 09h35-09h50 Presenter: <u>Walter Janse van Rensburg</u> <b>Authors:</b> WJ Janse van Rensburg <sup>1</sup> , A de Kock <sup>2</sup> , C Bester <sup>1</sup> , JF Kloppers <sup>2</sup> <b>Departments:</b> <sup>1</sup> Human Molecular Biology Unit, <sup>2</sup> Department of Haematology and Cell Biology and NHLS Universitas
Session 2	KINE 2	<b>LR6 MUTATIONAL ANALYSIS OF A SOUTH AFRICAN HAEMOPHILIA B POPULATION</b> 09h50-10h05 Presenter: <u>Chené Bester</u> <b>Authors:</b> C Bester, WJ Janse van Rensburg, JF Kloppers <b>Department:</b> Human Molecular Biology Unit, School of Biomedical Sciences, UFS
Session 2	KINE 3	<b>ER1 AN INNOVATIVE EDUCATIONAL STRATEGY FOR LEARNING AND TEACHING CLINICAL SKILLS DURING THE COVID-19 PANDEMIC</b> 08h35-08h50 Presenter: <u>Champion Nyoni</u> <b>Authors:</b> CN Nyoni, A Fichardt, Y Botma <b>Department:</b> School of Nursing
Session 2	KINE 3	<b>ER2 SOCIAL LEARNING AND INTEGRATION OF FIRST-YEAR UNDERGRADUATE MEDICAL STUDENTS: NOMINAL GROUP TECHNIQUE FINDINGS</b> 08h50-09h05 Presenter: <u>Nokuthula Tlalajoe</u> <b>Authors:</b> N Tlalajoe, LJ van der Merwe, MP Jama <b>Department:</b> Division Student Learning and Development and School of Clinical Medicine
Session 2	KINE 3	<b>ER3 STUDENT REVIEW OF DOCTOR-PATIENT COMMUNICATION SKILLS TRAINING IN A SOUTH AFRICAN UNDERGRADUATE MEDICAL PROGRAMME</b> 09h05-09h20 Presenter: <u>Dirkie Swinfen</u> <b>Authors:</b> D Swinfen <b>Department:</b> Clinical Skills and Simulation

<b>Session 2</b>	<b>KINE 3</b>	<p><b>ER4 COPING STRATEGIES OF UNDERGRADUATE STUDENTS IN THE FACULTY OF HEALTH SCIENCES DURING THE COVID-19 PANDEMIC IN 2020</b></p> <p>09h20-09h35</p> <p>Presenter: <u>Lynette Van der Merwe</u>  <b>Authors:</b> LJ van der Merwe, C Janse van Vuuren, A Fichardt  <b>Department:</b> Schools of Clinical Medicine, Health and Rehabilitation Sciences, Nursing</p>
<b>Session 2</b>	<b>KINE 3</b>	<p><b>ER5 'INTEGRATION, INTEGRATION, INTEGRATION IN THE SENSE THAT WE SEE: PATIENTS DON'T READ THE TEXTBOOKS' VIEWS ON UNDERGRADUATE MEDICAL EMERGENCY CARE EDUCATION FROM SOUTH AFRICAN MEDICAL SCHOOLS</b></p> <p>09h35-09h50</p> <p>Presenter: <u>Dirk Hagemeister</u>  <b>Authors:</b> DT Hagemeister, MJ Labuschagne  <b>Department:</b> Family Medicine, Clinical Simulation and Skills Unit, Health Sciences Education</p>
<b>Session 2</b>	<b>KINE 3</b>	<p><b>ER6 "ASSIGN SPECIFIC ROLES TO STUDENTS TO AVOID THEM BEING NOT SERIOUS!" A NOMINAL-GROUP-TECHNIQUE REVIEW OF UNDERGRADUATE MEDICAL STUDENTS' TRAINING IN EMERGENCY CARE, BASED ON EXPERIENCES OF RECENT GRADUATES</b></p> <p>09h50-10h05</p> <p>Presenter: <u>Dirk Hagemeister</u>  <b>Authors:</b> DT Hagemeister, MJ Labuschagne  <b>Department:</b> Family Medicine, Clinical Simulation and Skills Unit, Health Sciences Education</p>
<b>Session 4</b>	<b>KINE 1</b>	<p><b>CR7 A FACE-TO-FACE PEER SUPPORT INTERVENTION ON ADULTS WITH TYPE 2 DIABETES: A CLUSTER RANDOMISED TRIAL</b></p> <p>11h00-11h15</p> <p>Presenter: <u>Melanie Pienaar</u>  <b>Authors:</b> M Pienaar, M Reid and M Nel  <b>Department:</b> School of Nursing, School of Biomedical Sciences</p>
<b>Session 4</b>	<b>KINE 1</b>	<p><b>CR8 THE USE OF INFOGRAPHICS AS A COMMUNICATION TOOL FOR HEALTH PROMOTION IN ADULTS: A SCOPING REVIEW</b></p> <p>11h15-11h30</p> <p>Presenter: <u>Grace Ngundu</u>  <b>Authors:</b> G Ngundu and M Reid  <b>Department:</b> School of Nursing</p>
<b>Session 4</b>	<b>KINE 1</b>	<p><b>CR9 EXPERIENCES OF POSTNATAL MOTHERS WITH HEALTHCARE PROVIDERS IN RURAL KENYA: INSIGHTS FROM APPLYING THE MMOGO METHOD</b></p> <p>11h30-11h45</p> <p>Presenter: <u>Florence Mbutia</u>  <b>Authors:</b> F Mbutia, M Reid, A Fichardt  <b>Department:</b> School of Nursing</p>
<b>Session 4</b>	<b>KINE 1</b>	<p><b>CR10 HEALTH LITERACY ASSESSMENT AMONGST INDIGENOUS SESOTHO-SPEAKING PATIENTS WITH END-STAGE RENAL DISEASE IN SOUTH AFRICA</b></p> <p>11h45-12h00</p> <p>Presenter: <u>Elsabet van Rensburg</u>  <b>Authors:</b> E van Rensburg, Prof M Reid, Dr M Pienaar, R Nel  <b>Department:</b> School of Nursing, UFS, Biostatistics, UFS</p>

Session 4	KINE 1	<p><b>CR11 HEALTH LITERACY OF SESOTHO-SPEAKING PATIENTS DIAGNOSED WITH CHRONIC CONDITIONS IN THE FREE STATE, SOUTH AFRICA</b></p> <p>12h00-12h15</p> <p>Presenter: <u>Mita Mofokeng</u></p> <p><b>Authors:</b> MS Mofokeng, M Reid, MA Pienaar, R Nel</p> <p><b>Department:</b> School of Nursing and Biostatistics, School of Biomedical Sciences</p>
Session 4	KINE 1	<p><b>CR12 GROSS MOTOR PROFICIENCY, ANTHROPOMETRY AND STUNTING OF GRADE R LEARNERS IN A LOW RESOURCED ENVIRONMENT, SOUTH AFRICA</b></p> <p>12h15-12h30</p> <p>Presenter: <u>Chanté Mathews</u></p> <p><b>Authors:</b> CE Mathews and Dr E de Waal</p> <p><b>Department:</b> Exercise and Sport science</p>
Session 4	KINE 1	<p><b>CR13 ESTABLISHING NORMS FOR KINESTHETIC COORDINATION TASKS IN 6-YEAR-OLD'S IN THE MANGUANG, MOTHEO DISTRICT</b></p> <p>12h30-12h45</p> <p>Presenter: <u>Carmen Bonafede</u></p> <p><b>Authors:</b> C Bonafede, E de Waal</p> <p><b>Department:</b> Department of Exercise &amp; Sport Science, School of Health and Rehabilitation Sciences</p>
Session 4	KINE 1	<p><b>CR14 MORPHOLOGICAL AND SKILL-RELATED FITNESS COMPONENTS AS POTENTIAL PREDICTORS OF INJURY IN ELITE NETBALL PLAYERS: A COHORT STUDY</b></p> <p>12h45-13h00</p> <p>Presenter: <u>Colleen Sinclair</u></p> <p><b>Authors:</b> CJ Sinclair, FF Coetzee, R Schall</p> <p><b>Department:</b> Exercise and Sport Sciences, Department of Mathematical Statistics and Actuarial Sciences</p>
Session 4	KINE 2	<p><b>LR7 THE PATH(OLOGY) LESS CHOSEN: EXPLORING MEDICAL STUDENTS' PERCEPTIONS OF ANATOMICAL PATHOLOGY</b></p> <p>11h00-11h15</p> <p>Presenter: <u>Liska Budding</u></p> <p><b>Authors:</b> L Budding, J Goedhals, C Esterhuysen, C van Rooyen</p> <p><b>Department:</b> Anatomical Pathology, Biostatistics</p>
Session 4	KINE 2	<p><b>LR8 THE NORMAL RANGE OF EOSINOPHILS IN THE LOWER GASTROINTESTINAL TRACT OF ADULTS: A QUANTITATIVE ANALYSIS</b></p> <p>11h15-11h30</p> <p>Presenter: <u>Jane Duncan</u></p> <p><b>Authors:</b> J Duncan, J Goedhals, G Joubert</p> <p><b>Department:</b> Anatomic Pathology, Biostatistics</p>
Session 4	KINE 2	<p><b>LR9 MOLECULAR CHARACTERISATION OF NPM1 AND FLT3-ITD MUTATIONS IN A CENTRAL SOUTH AFRICAN ADULT DE NOVO ACUTE MYELOID LEUKAEMIA COHORT</b></p> <p>11h30-11h45</p> <p>Presenter: <u>Jean Kloppers</u></p> <p><b>Authors:</b> J Kloppers, A De Kock, J Cronje, AC van Marle</p> <p><b>Departments:</b> Haematology and Cell Biology, School of Pathology, FoHS, UFS; Haematology and Cell Biology, Universitas Academic Unit, National Health Laboratory Services, Bloemfontein</p>

Session 4	KINE 2	<b>LR10 EVALUATION OF EOSIN-5-MALEIMIDE FLOW CYTOMETRY TEST IN THE DIAGNOSIS OF HEREDITARY SPHEROCYTOSIS</b> Presenter: Hemasha Mothi <b>Authors:</b> H Mothi, J Roodt, AC van Marle <b>Department:</b> Haematology and Cell Biology
	11h45-12h00	
Session 4	KINE 2	<b>LR11 CHARACTERIZATION OF AUTOANTIBODIES TO ADAMTS13 IN HIV-ASSOCIATED THROMBOTIC THROMBOCYTOPENIC PURPURA</b> Presenter: Muriel Meiring <b>Authors:</b> M Meiring, M Khemisi, S Louw <b>Department:</b> Department of Haematology, UFS and Department of Haematology, WITS
	12h00-12h15	
Session 4	KINE 2	<b>LR12 CARBAPENEMASE GENES ASSOCIATED INSERTION SEQUENCES IN ACINETOBACTER BAUMANNII AS CAUSE OF INCREASED CARBAPENEM-RESISTANCE IN UNIVERSITAS AND PELONOMI HOSPITALS, BLOEMFONTEIN</b> Presenter: Nina van Heerden <b>Authors:</b> N van Heerden, A van der Spoel van Dijk <b>Department:</b> Medical Microbiology
	12h15-12h30	
Session 4	KINE 2	<b>LR13 HYPERVIRULENT <i>KLEBSIELLA PNEUMONIAE</i> IN FREE STATE TERTIRARY HOSPITAL – CLINICAL AND GENETIC DETERMINANTS</b> Presenter: Likhona Dingiswayo <b>Authors:</b> L Dingiswayo, J Musoke, E Arko-Cobbah <b>Department:</b> Medical Microbiology
	12h30-12h45	
Session 4	KINE 2	<b>LR14 RIFAMPICIN RESISTANCE IN GENOTYPE MTBDRPLUS MONO-ISONIAZID RESISTANT TUBERCULOSIS CLASSIFIED ISOLATES FROM THE FREE STATE</b> Presenter: Anneke van der Spoel van Dijk <b>Authors:</b> N Mhlambi, M Moncho, A Van Der Spoel Van Dijk <b>Department:</b> Universitas Academic Hospital, NHLS; Medical Microbiology, UFS; Medical Microbiology, Sefako Makhatho Health Sciences University/Dr George Mukhari, NHLS
	12h45-13h00	
Session 4	KINE 3	<b>ER7 RELIABILITY OF CLINICAL ASSESSMENTS: WE NEED MORE NUMBERS</b> Presenter: Hanneke Brits <b>Authors:</b> H Brits, G Joubert, L vd Merwe, J Bezuidenhout <b>Department:</b> Family Medicine, Biostatistics, Undergraduate programme management, DHSE
	11h00-11h15	
Session 4	KINE 3	<b>ER8 THE EFFECT OF THE INITIAL MONTHS OF THE COVID-19 NATIONAL LOCKDOWN ON MMED TRAINING ACTIVITIES AT THE UFS</b> Presenter: Carin Meyer <b>Authors:</b> C Meyer <sup>1</sup> , C Barrett <sup>1</sup> , G Joubert <sup>2</sup> , N Mofolo <sup>1</sup> <b>Department:</b> <sup>1</sup> School of Clinical Medicine, <sup>2</sup> Department of Biostatistics
	11h15-11h30	

<b>Session 4</b>	<b>KINE 3</b> 11h30-11h45	<b>ER9 FOOD INSECURITY A THREAT TO HEALTH SCIENCE EDUCATION?</b> Presenter: <u>Louise van den Berg</u> <b>Authors:</b> L van den Berg, T Mabena, L Robb, R Nel <b>Department:</b> Nutrition and Dietetics, Biostatistics
<b>Session 4</b>	<b>KINE 3</b>  11h45-12h00	<b>ER10 GUIDELINES FOR STUDENT SELF-EFFICACY IN THE TEACHING AND LEARNING ENVIRONMENT OF UNDERGRADUATE NATURAL SCIENCES</b> Presenter: <u>Roné Vorster-de Wet</u> <b>Authors:</b> PC Vorster-de Wet <sup>1</sup> , LJ Van der Merwe <sup>2</sup> , L Nel <sup>3</sup> <b>Department:</b> <sup>1</sup> Department of Basic Medical Sciences, UFS; <sup>2</sup> Undergraduate programme management, School of Clinical Medicine, UFS; <sup>3</sup> Department of Psychology, UFS
<b>Session 4</b>	<b>KINE 3</b>  12h00-12h15	<b>ER11 MEDICAL STUDENTS AS RESEARCH PARTICIPANTS: STUDENT EXPERIENCES, QUESTIONNAIRE RESPONSE RATES AND PREFERRED MODES</b> Presenter: <u>Gina Joubert</u> <b>Authors:</b> G Joubert, WJ Steinberg, LJ van der Merwe <b>Department:</b> Biostatistics, Family Medicine, Undergraduate Medical Programme Management
<b>Session 4</b>	<b>KINE 3</b>  12h15-12h30	<b>ER12 THE ABILITY OF TEACHERS TO IDENTIFY GRADE 1 LEARNERS IN LOW SOCIO-ECONOMIC ENVIRONMENTS WITH POSSIBLE DEVELOPMENTAL COORDINATION DISORDER</b> Presenter: <u>Monique de Milander</u> <b>Authors:</b> AM du Plessis <sup>1</sup> , M de Milander <sup>1</sup> , FF Coetzee <sup>1</sup> , M Nel <sup>2</sup> <b>Department:</b> <sup>1</sup> Department of Exercise and Sport Sciences, Faculty of Health Sciences, <sup>2</sup> Department of Biostatistics
<b>Session 4</b>	<b>KINE 3</b>  12h30-12h45	<b>ER13 AN MHEALTH COMMUNICATION FRAMEWORK FOR CAREGIVERS OF ADOLESCENTS WITH MENTAL HEALTH ISSUES</b> Presenter: <u>Ronelle Jansen</u> <b>Authors:</b> Dr R Jansen and Prof M Reid <b>Department:</b> School of Nursing
<b>Session 7</b>	<b>KINE 1</b>  15h20-15h25	<b>CP1 INCIDENTAL DETECTION OF COVID-19 DISEASE ON IMAGING IN AN ASYMPTOMATIC PATIENT– A CASE REPORT FROM UNIVERSITAS ACADEMIC HOSPITAL, BLOEMFONTEIN</b> Presenter: <u>Osayande Evbuomwan</u> <b>Authors:</b> O Evbuomwan and G Engelbrecht <b>Department:</b> Nuclear medicine
<b>Session 7</b>	<b>KINE 1</b> 15h25-15h30	<b>CP2 HYPERCALCAEMIA IN PATIENTS WITH MULTIPLE MYELOMA</b> Presenter: <u>Jocelyn Naicker</u> <b>Authors:</b> TJ Naicker, SB Khan <b>Department:</b> Department of Chemical Pathology, National Health Laboratory Service, Faculty of Health Sciences, University of the Free State, University of the Witwatersrand

Session 7	KINE 1	<p><b>CP3 MENTAL HEALTH DISORDERS AND QUALITY OF LIFE IN ADULTS WITH INHERITED BLEEDING DISORDERS IN CENTRAL SOUTH AFRICA</b></p> <p>Presenter: Marius Coetzee</p> <p><b>Authors:</b> HT Koekemoer, J Joubert, RJ Nichol, G Joubert, MJ Coetzee</p> <p><b>Department:</b> Psychiatry, Haematology and Cell Biology, Biostatistics</p>
	15h30-15h35	
Session 7	KINE 1	<p><b>CP4 RETROSPECTIVE REVIEW OF NATIVE KIDNEY BIOPSY RESULTS AT UNIVERSITAS ACADEMIC HOSPITAL, 2017</b></p> <p>Presenter: <u>Busiswa Bisiwe</u></p> <p><b>Authors:</b> MA Sakati, BF Bisiwe, G Joubert</p> <p><b>Department:</b> Internal Medicine, Biostatistics</p>
	15h35-15h40	
Session 7	KINE 1	<p><b>CP5 THE RELATIONSHIP BETWEEN CORE STABILITY AND ATHLETIC PERFORMANCE IN FEMALE UNIVERSITY ATHLETES</b></p> <p>Presenter: <u>Marizanne de Bruin</u></p> <p><b>Authors:</b> M de Bruin<sup>1</sup>, D Coetzee<sup>1</sup>, R Schall<sup>2</sup></p> <p><b>Department:</b> <sup>1</sup>Department of Exercise and Sport Sciences, <sup>2</sup>Department of Mathematical Statistics and Actuarial Science</p>
	15h40-15h45	
Session 7	KINE 1	<p><b>LP1 MYOPERICYTOMA INVOLVING THE RIGHT RENAL PELVIS AND URETER: A CASE STUDY</b></p> <p>Presenter: <u>Liska Budding</u></p> <p><b>Authors:</b> L Budding, J Goedhals, S Rothman</p> <p><b>Department:</b> Anatomical Pathology, Urology</p>
	15h45-15h50	
Session 7	KINE 1	<p><b>EP1 HOW CAN COMPETENCY ASSESSMENT OF KOVSIE DOCTORS BECOME THE BEST?</b></p> <p>Presenter: <u>Hanneke Brits</u></p> <p><b>Authors:</b> H Brits, G Joubert, L vd Merwe, J Bezuidenhout</p> <p><b>Department:</b> Family Medicine, Biostatistics, Undergraduate programme management, DHSE</p>
	15h50-15h55	
Session 7	KINE 1	<p><b>EP2 HOW DID ACADEMIC STAFF EXPERIENCE ONLINE LEARNING IN THE MBCHB PROGRAMME DURING COVID-19 LOCKDOWN IN 2020?</b></p> <p>Presenter: <u>Lynette van der Merwe</u></p> <p><b>Authors:</b> LJ van der Merwe, S van Zyl, G Joubert</p> <p><b>Department:</b> School of Clinical Medicine, Basic Medical Sciences, Biostatistics</p>
	15h55-16h00	
Session 7	KINE 1	<p><b>EP3 MEDICAL STUDENTS' PERCEPTIONS OF THE CHRONIC DISEASES OF LIFESTYLE CURRICULUM AND RELATED EXPERIENCES IN PRIMARY HEALTH CARE SETTINGS IN CENTRAL SOUTH AFRICA</b></p> <p>Presenter: <u>Sanet van Zyl</u></p> <p><b>Authors:</b> S van Zyl<sup>1</sup>, WH Kruger<sup>2</sup>, CM Walsh<sup>3</sup></p> <p><b>Department:</b> <sup>1</sup>Basic Medical Sciences, <sup>2</sup>Community Health, <sup>3</sup>Nutrition and Dietetics</p>
	16h00-16h05	

**Programme**  
**FRIDAY, 27 AUGUST 2021**

<b>Session 9</b>	<b>KINE 1</b>	<p><b>CR15 IODINE STATUS OF PREGNANT WOMEN RESIDING IN URBAN AND RURAL AREAS OF THE FREE STATE PROVINCE, SOUTH AFRICA: THE NUEMI STUDY</b></p> <p>08h35-08h50</p> <p>Presenter: <u>Jennifer Ngounda</u>  <b>Authors:</b> J Ngounda<sup>1</sup>, J Baumgartner<sup>2,3</sup>, M Nel<sup>4</sup>, CM Walsh<sup>1</sup>  <b>Department:</b> <sup>1</sup>Department of Nutrition and Dietetics, School of Health and Rehabilitation Sciences, UFS; <sup>2</sup>Human Nutrition Laboratory, Department of Health Sciences and Technology, ETH-Zurich, Switzerland; <sup>3</sup>Centre of Excellence for Nutrition, North-West University, Potchefstroom; <sup>4</sup>Department of Biostatistics, School of Biomedical Sciences, UFS</p>
<b>Session 9</b>	<b>KINE 1</b>	<p><b>CR16 INFLUENCES OF PERSISTENT OVERWEIGHT ON PERCEPTUAL-MOTOR PROFICIENCY OF PRIMARY SCHOOL CHILDREN: THE NORTH-WEST CHILD LONGITUDINAL STUDY</b></p> <p>08h50-09h05</p> <p>Presenter: <u>Elna de Waal</u>  <b>Authors:</b> E de Waal, AE Pienaar  <b>Department:</b> Exercise and Sport Sciences (UFS), School of Human Movement Sciences (NWU)</p>
<b>Session 9</b>	<b>KINE 1</b>	<p><b>CR17 NYAOPE USE IS INCREASING AMONG YOUNG PEOPLE IN KWAZULU-NATAL AND FREE STATE PROVINCES</b></p> <p>09h05-09h20</p> <p>Presenter: <u>Joyce Tsoka-Gwegweni</u>  <b>Authors:</b> JM Tsoka-Gwegweni<sup>1</sup>, K Mokwena<sup>2</sup>  <b>Department:</b> <sup>1</sup>Office of the Dean, FHS, UFS; <sup>2</sup>Department of Public Health, School of Health Care Sciences, SMU</p>
<b>Session 9</b>	<b>KINE 1</b>	<p><b>CR18 PERFUSION ABNORMALITIES ON LUNG PERFUSION IMAGING OF NON-HOSPITALIZED DE-ISOLATED PATIENTS WITH MILD COVID-19 INFECTION</b></p> <p>09h20-09h35</p> <p>Presenter: <u>Osayande Evbuomwan</u>  <b>Authors:</b> O Evbuomwan and G Engelbrecht  <b>Department:</b> Nuclear medicine</p>
<b>Session 9</b>	<b>KINE 1</b>	<p><b>CR19 ECHOCARDIOGRAPHIC AND CLINICAL CORRELATION IN CHILDREN WITH DILATED CARDIOMYOPATHY IN CENTRAL SOUTH AFRICA</b></p> <p>09h35-09h50</p> <p>Presenter: <u>Stephen Brown</u>  <b>Authors:</b> J Mofokeng, L Botes, F Smit, S Brown  <b>Department:</b> CUT, Cardiothoracic, Pediatric Cardiology</p>
<b>Session 9</b>	<b>KINE 1</b>	<p><b>CR20 PROFILE OF CORONARY ARTERY DISEASE PATIENTS IN CENTRAL SOUTH AFRICA: 2014 VERSUS 1994</b></p> <p>09h50-10h05</p> <p>Presenter: <u>Stephen Brown</u>  <b>Authors:</b> MASE Bester, L Botes, M Makotoko, SC Brown, FE Smit  <b>Department:</b> CUT, Cardiothoracic Surgery, Cardiology &amp; Pediatric Cardiology</p>

Session 9	KINE 2	<b>LR15 INNATE IMMUNE RESPONSE INDUCED BY IN VITRO INFECTION OF MACROPHAGES WITH SINDBIS VIRUS</b> Presenter: Matefo Litabe <b>Authors:</b> MM Litabe <sup>1</sup> , FJ Burt <sup>1,2</sup> <b>Department:</b> <sup>1</sup> Division of Virology, Faculty of Health Sciences, University of the Free State & <sup>1,2</sup> National Health Laboratory Services
	08h35-08h50	
Session 9	KINE 2	<b>LR16 MOLECULAR ASSAYS FOR DETECTION OF MOSQUITO-BORNE FLAVIVIRUSES IN CENTRAL SOUTH AFRICA</b> Presenter: <u>Tumelo Sekee</u> <b>Authors:</b> TR Sekee, FJ Burt <b>Department:</b> Division of Virology, University of the Free State, Bloemfontein, South Africa; National Health Laboratory Service, Bloemfontein, South Africa
	08h50-09h05	
Session 9	KINE 2	<b>LR17 DEVELOPMENT AND VALIDATION OF SEROLOGICAL ASSAYS FOR SEVERE ACUTE RESPIRATORY SYNDROME CORONAVIRUS 2</b> Presenter: <u>Felicity Burt</u> <b>Authors:</b> FJ Burt, M Litabe, JJ van Vuuren, A Bester, M Brink, D van Jaarsveldt, S Potgieter, D Goedhals <b>Department:</b> Virology, Internal Medicine
	09h05-09h20	
Session 9	KINE 2	<b>LR18 GENETIC ANALYSIS OF HUMAN PAPILLOMAVIRUS TYPE 11 ISOLATES FROM PATIENTS WITH RECURRENT RESPIRATORY PAPILLOMATOSIS TREATED AT UNIVERSITAS ACADEMIC HOSPITAL</b> Presenter: <u>Corne Thuynsma</u> <b>Authors:</b> C Thuynsma, RY Seedat, FJ Burt <b>Department:</b> Division of Virology; Department of Otorhinolaryngology
	09h20-09h35	
Session 9	KINE 2	<b>LR19 EVOLUTIONARY CHANGES BETWEEN PRE- AND POST-VACCINE SOUTH AFRICAN GROUP A G2P [4] ROTAVIRUS STRAINS, 2003-2017</b> Presenter: Peter Mwangi <b>Authors:</b> PN Mwangi <sup>1</sup> , NA Page <sup>2</sup> , MM Nyaga <sup>1</sup> <b>Department:</b> <sup>1</sup> Next Generation Sequencing Unit and Division of Virology, <sup>2</sup> Centre for Enteric Disease, National Institute for Communicable Diseases
	09h35-09h50	
Session 9	KINE 2	<b>LR20 WHOLE GENOME ANALYSIS OF HUMAN ROTAVIRUSES REVEALS SINGLE GENE REASSORTANT ROTAVIRUS STRAINS IN ZAMBIA</b> Presenter: <u>Wairimu Maringa</u> <b>Authors:</b> WM Maringa <sup>1</sup> , J Simwaka <sup>2</sup> , EM Mpabalwani <sup>3</sup> , and MM Nyaga <sup>1</sup> <b>Department:</b> <sup>1</sup> Next Generation Sequencing Unit, Division of Virology, UFS; <sup>2</sup> Virology Laboratory, Department of Pathology and Microbiology, University Teaching Hospital, Adult and Emergency Hospital, Lusaka, Zambia; <sup>3</sup> Department of Paediatrics and Child Health, University of Zambia
	09h50-10h05	

Session 10	KINE 1	<p><b>CR21 OUTCOMES, MODES OF FAILURE AND LIMITATIONS OF HFNO AND CPAP IN AN OPEN-PLAN SUPPLEMENTARY OXYGEN THERAPY FACILITY IN A RESOURCE-LIMITED ENVIRONMENT</b></p> <p>Presenter: <u>Shaaista Cassim</u></p> <p><b>Authors:</b> FE Smit, S Cassim, L Botes, JC Jordaan, AN Oelofse, M Hanekom, C van Vuuren, E Turton</p> <p><b>Department:</b> Cardiothoracic, Internal Medicine, Anaesthesiology</p>
	10h25-10h40	
Session 10	KINE 1	<p><b>CR22 COMPARISON BETWEEN ULTRASOUND AND CHEST X-RAY TO CONFIRM THE POSITION OF A CENTRAL VENOUS CATHETER IN THE PERI-OPERATIVE SETTING IN ADULT SURGICAL PATIENTS AT UNIVERSITAS ACADEMIC HOSPITAL</b></p> <p>Presenter: <u>Leoni de Man</u></p> <p><b>Authors:</b> L de Man, EW Turton</p> <p><b>Department:</b> Anaesthesiology</p>
	10h40-10h55	
Session 10	KINE 1	<p><b>CR23 A COMPARATIVE REVIEW OF OBSTETRIC ANAESTHESIA TRAINING, SUPERVISION AND EXPERIENCE OF PUBLIC SECTOR DOCTORS IN THE FREE STATE, 2005 VS. 2019</b></p> <p>Presenter: <u>Seta Machai</u></p> <p><b>Authors:</b> SL Machai, J Lemmer-Malherbe, G Lamacraft</p> <p><b>Department:</b> Anaesthesiology</p>
	10h55-11h10	
Session 10	KINE 1	<p><b>CR24 END-STAGE KIDNEY DISEASE AND RATIONING OF KIDNEY REPLACEMENT THERAPY IN THE FREE STATE PROVINCE, SOUTH AFRICA: A RETROSPECTIVE STUDY</b></p> <p>Presenter: <u>Busiswa Bisiwe</u></p> <p><b>Authors</b> TT Molaoa, FB Bisiwe, KCZ Ndlovu</p> <p><b>Department:</b> Internal Medicine</p>
	11h10-11h25	
Session 10	KINE 1	<p><b>CR25 EARLY RESULTS OF SOUTH AFRICAN MEN WITH LOW-RISK, CLINICALLY LOCALIZED PROSTATE CANCER MANAGED WITH ACTIVE SURVEILLANCE</b></p> <p>Presenter: <u>Willem Dahms</u></p> <p><b>Authors:</b> W Dahms, JJ Myburgh, FM Claassen</p> <p><b>Department:</b> Urology</p>
	11h25-11h40	
Session 10	KINE 1	<p><b>CR26 CLINICAL OUTCOMES OF PATIENTS WITH SEVERE COVID-19 PNEUMONIA MANAGED AT A NOVEL OFF-SITE SUPPLEMENTARY OXYGEN SUPPORT UNIT IN A POORLY RESOURCED HEALTH CARE ENVIRONMENT</b></p> <p>Presenter: <u>Jacobus Coetzee</u></p> <p><b>Authors:</b> JT Coetzee, S Maasdorp, M Hanekom, FE Smit</p> <p><b>Department:</b> Cardiothoracic Surgery, Intensive Care</p>
	11h40-11h55	

## INSTRUCTIONS TO PRESENTERS

1. The author whose name is underlined in the abstract delivers the presentation.
2. A paper lasts 15 minutes (including 5 minutes for questions), and a poster session lasts 5 minutes (including 2 minutes for questions). In order to give everyone a fair opportunity, **we kindly request presenters to adhere strictly to the set times.**
3. Facilities for electronic data projection are available. In view of time constraints, we kindly request presenters to load their presentations onto the computer network well in advance.
4. The posters will be available for viewing on the poster site for the Forum and in Kine 12 on Thursday and Friday.
5. A friendly reminder: All winners will be announced at the last session of the Forum, Friday afternoon at 15h30.
6. Please use **Google Chrome** as browser to access the Blackboard virtual site.

Ms Anneke van der Spoel van Dijk  
Chairperson: Organising Committee

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