



HEALTH SCIENCES GESONDHEIDSWETENSKAPPE UFS·UV

FACULTY RESEARCH FORUM

Thursday 25 and Friday 26 August 2016

FAKULTEITSNAVORSINGSFORUM

Donderdag 25 en Vrydag 26 Augustus 2016

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 2016 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 49th Faculty Research Forum, it is the Faculty's vision that emerging trends in research processes will come to fulfilment.

Die Fakulteit Geneeskunde het 'n erkende navorsingsrekord en kompeteer wêreldwyd op navorsingsgebied, met die Fakulteitsnavorsingsforum as 'n jaarlikse hoogtepunt op die kalender.

Die 2016 Fakulteitsnavorsingsforum word, soos die voriges, gekenmerk deur hoë-gehalte voorleggings vir aanbiedings wat die betekenisvolle vordering ten opsigte van onlangse navorsingontwikkeling ten toonstel.

Die visie van hierdie gebeurtenis, die 49ste Fakulteitsnavorsingforum, is dat ontluikende tendense in navorsingsprosesse 'n werklikheid sal word.

August 2016 Augustus

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

*Professor GJ van Zyl's messages for
the Faculty Research Forum 2016*



A sincere welcome to the 49th Faculty Research Forum of 2016. We are on the verge of our 50th Forum – we have to celebrate this achievement in 2017! But coming back to 2016 - In my address last year I remarked that the research work is not over, however that we are still gathering momentum. I hope that this year's Forum will again contribute significantly towards reaching the target set for us – if we only have publications from our Forum outputs. Thank you to each researcher who invested the time and effort to participate in this prestigious event.

This year we have the wonderful privilege of welcoming Prof Brenda Morrow as the speaker at our FP Retief Lecture. We also have three outstanding External evaluators attending: Prof David Meyer, Prof Adri Beylefeld and Prof Annabel Fossey. We are also privileged this year to have our Faculty Forum linked to a workshop on Saturday – this will be a first and I hope supported by all.

The annual Faculty Research Forum is one of the 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, contributing to the programme or attending presentations. May I request you to attend the session that deals with the student winners of 2016 – each year this is a very rewarding session that deserves the attention of all Faculty members. By attending you also give our students the recognition they deserve. I will also have an opportunity with the opening to say a few words. I will say a few words about “In simplicity” you get control of your life. As Rich Mullins puts it so clear *“If your life is motivated by your ambition to leave a legacy, what you’ll probably leave is a legacy of ambition.”* Life is not all about doing but by being and becoming (Martin Kuscus, 2016). More about this at the opening.

A special thank you to Prof Witthuhn who again sponsored part of the Faculty Forum, and to the Organising Committee for all their hard work behind the scenes. Finally I would like to invite everyone to attend the FP Retief Lecture, as well as the presentations by our external evaluators. – may this be a rewarding experience again in 2016! Welcome to all of you and enjoy the Forum!

A handwritten signature in black ink, appearing to be 'GJ van Zyl'.

**Prof GJ van Zyl
DEAN**



**HEALTH SCIENCES
GESONDHEIDSWETENSKAPPE
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EXTERNAL ADJUDICATORS / EKSTERNE BEOORDELAARS

Professor A Fossey



Professor Annabel Fossey matriculated from the Hoër Meisieskool, Bloemhof in Stellenbosch, after which she completed a BSc degree majoring in Genetics, Physiology and Biochemistry at the University of Pretoria. She was then appointed as a lecturer in Genetics at the University of Pretoria, during which time she completed her honours, masters and DSc degrees. Because of her passion for teaching, she continued to pursue an academic career in Genetics; firstly at the University of Pretoria and later at the Universities of Natal and KwaZulu-Natal. From 2006 till 2010 she was a fulltime principal researcher at the CSIR in Pietermaritzburg in tree breeding. In March 2010 she joined the Central University of Technology, Free State, in Bloemfontein, as a research professor in Biotechnology. She has published many scholarly articles, books and made numerous conference contributions. Her books include books on Forensic Genetics and Research Methodology and more than 30 books for Adult Based Education and Training in community health and mathematics. Many students have completed postgraduate studies under her guidance. In 1988 she was chosen to join People to People's delegation of the Dwight Eisenhower foundation to the United States of America. In 1996 she became the first South African fellow of the United Nations in mutation induction research. She is currently focusing her research on infection prevention and control in dental environments and water quality.

Professor A Beylefeld

Adriana Beylefeld is Associate Professor and Teaching and Learning Manager in the University of the Free State, Faculty of Education. She has almost 30 years of experience in the support and development of students and staff, 15 of which were devoted to the Faculty of Health Sciences. Her current work in curriculum development, quality assurance and post-graduate study guidance is infused by a keen interest in qualitative inquiry to enhance both staff's and pre-service education students' understanding of complex social phenomena in education, thus assisting them to leap from understanding to action, and the Faculty to realize its stated mission more fully.



Professor D Meyer



Prof David Meyer graduated MB ChB from the University of Stellenbosch in 1976. After completing his Internship at the Tygerberg Hospital in 1977, he worked as a General Practitioner in Ficksburg in the Free State before joining the SA Defence Force during 1979 - 1981. From June 1981 till December 1986 he worked as a General Practitioner in Kroonstad. During this time, he obtained the MFGP (SA) as well as the Honns BSc degree in Pharmacology from the Potchefstroom University. He completed his training as a Registrar in Ophthalmology at the University of Stellenbosch in 1990 under the late Professor Basson van Rooyen. He then did a Fellowship for one year in Cataract and Refractive surgery with Dr Howard Gimbel at the Gimbel Eye Centre in Calgary, Alberta, Canada and at the Loma Linda University in California in the United States of America. He became Head of the Department of Ophthalmology at the University of Stellenbosch in September 1994. Prof Meyer obtained the FCOphth (SA) by Peer Review in April 2000. In 2001 he obtained the PhD degree in Pharmacology from the Faculty of Health Sciences, University of Stellenbosch. Prof Meyer has been responsible for the Oculoplastics, Orbital and Lacrimal service at the Tygerberg Academic Hospital for 15 years. He was elected a Fellow of the International Society for Orbital Disorders (I.S.O.D.) in 1998. Repeated clinical attachment visits to Mr Richard Collin, Mr Geoff Rose and Mr Richard Downs enhanced his experience in this subspecialty. Prof Meyer has also recently spent several extensive periods at the King Khaled Eye Specialist Hospital and King Saud University, Riyadh, Kingdom of Saudi Arabia, as Professor of Ophthalmology in the Oculoplastic Division, where he was responsible for the training of Fellows and Residents in Oculoplastic, Orbit and Lacrimal surgery. This experience enabled him to enhance his research, clinical and surgical expertise significantly in International Oculoplastics during these visits. He has authored/co-authored 74 papers. He has published 23 chapters in Ophthalmology textbooks and he was the Co-editor of 3 textbooks in Ophthalmology. He delivered 146 lectures/papers/posters at National and International meetings. Prof Meyer was the promoter for 23 Masters Dissertations and one completed PhD dissertations, with currently 3 PhD students in the process of completing their research. He is also a reviewer for 27 national and international peer reviewed journals, and associate editor of one international journal.

23rd Lecture – F.P. RETIEF – 23^{ste} Lesing

INVITED SPEAKER / GENOOIDE SPREKER

Professor B Morrow



Brenda Morrow is an Associate Professor in the Department of Paediatrics, University of Cape Town (UCT), South Africa. A physiotherapist by training, Brenda worked clinically from 1995 to 2006 at Red Cross War Memorial Children's Hospital in Cape Town. She developed a special interest in paediatric respiratory diseases, particularly in the context of critical care and the management of children with Cystic Fibrosis, and embarked on a Master's Degree in 2001, which was upgraded to PhD in 2003. In 2005 Brenda was awarded a PhD for her dissertation, "*An investigation into nonbronchoscopic bronchoalveolar lavage and endotracheal suctioning in critically ill infants and children*". In 2008 she completed a two-year postdoctoral fellowship funded by the Medical Research Council of Southern Africa (MRC). In 2009 she was awarded an MRC Career Development Award to develop clinical research using electrical impedance tomography – an emerging, noninvasive imaging tool which allows real-time quantitative analysis of ventilation distribution. In 2012 she was promoted *Ad Hominem* to Associate Professor. Since 1998, Brenda has been engaged in teaching and supervision of undergraduate and postgraduate students. Her current job description includes expanding the African Paediatric Fellowship Program to train paediatric allied health and rehabilitation therapists throughout Africa and to facilitate the concept of a multidisciplinary, holistic approach to child health practice and research. In 2014, she completed a Postgraduate Diploma in Health Research Ethics (with Distinction) through Stellenbosch University. Brenda is Chair of the Department of Paediatrics' Research Committee; a member of the Faculty of Health Sciences Research and Human Research Ethics Committees; and a member of many special interest, editorial and advisory boards. She has published and presented her research findings widely, with over 60 peer reviewed publications, and has won several awards. She is deputy editor of the *Southern African Journal of Critical Care* and a regular reviewer for many international medical journals.

ORGANIZING COMMITTEE / REËLINGSKOMITEE

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Prof GJ van Zyl (Dean / Dekaan)
Mrs / Mev S Gouws
Mrs / Mev M Viljoen
Mrs / Mev L de Reuck
Miss / Mej C Brandt

Dr A de Kock
Dr M Labuschagne
Mrs / Mev T Rauch-van der Merwe
Prof A Joubert
Miss / Mej A Venter
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Evalueringsskomitee:

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External adjudicator / Eksterne evalueerder:

Dr A van Aswegen
Dr L Solomon
Prof D Meyer
University of Stellenbosch /
Universiteit van Stellenbosch

Adjudicators of research articles /
Beoordeellaars van navorsingsartikels:

Prof D Meyer
University of Stellenbosch /
Universiteit van Stellenbosch
Prof G Fieggen
University of Cape Town /
Universiteit van Kaapstad
Prof S Kling
University of Stellenbosch /
Universiteit van Stellenbosch

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Ms A van der Spoel van Dijk
Prof A Fossey
Central University of Technology Free State
/ Sentrale Universiteit van Tegnologie Vrystaat

Adjudicators of research articles /
Evalueerders van navorsingsartikels:

Prof A Fossey
Central University of Technology Free State
/ Sentrale Universiteit van Tegnologie Vrystaat
Prof J Albertyn
University of the Free State /
Universiteit van die Vrystaat
Prof AM Pretorius
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(Chair / Voorsitter)
Dr C Spies

External adjudicator /
Eksterne evalueerder:

Mr GJ van Zyl
Prof A Beyliefeld
University of the Free State /
Universiteit van die Vrystaat

Adjudicators of research articles /
Evalueerders van navorsingsartikels:

Prof A Beyliefeld
University of the Free State /
Universiteit van die Vrystaat
Dr C Janse van Vuuren
University of the Free State /
Universiteit van die Vrystaat
Mr M Serekoane
University of the Free State /
Universiteit van die Vrystaat

**EVALUATION OF RESEARCH ARTICLES /
BEOORDELING VAN NAVORSINGSARTIKELS**

PRYSWENNERS / PRIZE WINNERS

John van der Riet medal / -medalje	
Winner / Wenner:	<u>P.M. van Zyl</u> & G. Joubert Department of Pharmacology, School of Medicine/ Departement Farmakologie, Skool vir Geneeskunde
<i>Acetaldehyde production capacity of salivary microflora in alcoholics during early recovery</i>	
Alcohol 49 (2015)	
Muller Potgieter medal / -medalje	
Winner / Wenner:	<u>D Goedhals</u> , PA Bester, JT Paweska, R Swanepoel & FJ Burt Department of Medical Microbiology and Virology, School of Medicine / Departement van Mikrobiologie en Virologie, Skool vir Geneeskunde
<i>Comparative Analysis of the L, M, and S RNA Segments of Crimean–Congo Haemorrhagic Fever Virus Isolates From Southern Africa</i>	
Journal of Medical Virology 87 (2015)	
Kerneels Nel medal / -medalje	
Winner / Wenner:	<u>DE van Jaarsveldt</u> & A Joubert School of Nursing / Skool vir Verpleegkunde
<i>Navigating diversity with nursing students through difficult dialogues: A qualitative study</i>	
International Journal of Africa Nursing Sciences 2 (2015)	

*We express our sincere gratitude to the evaluation committees.
Ons opregte dank gaan die beoordelingskomitees.*

ACKNOWLEDGEMENTS / BEDANKINGS

PARTICIPATING COMPANIES / DEELNEMENDE INSTANSIES

We express our sincere thanks to the companies mentioned below for their financial support and valued participation in the 2016 Faculty of Health Sciences Faculty Research Forum of the University of the Free State.

Ons spreek ons opregte dank uit vir finansiële steun ontvang van die ondervermelde instansies asook hul gewaardeerde deelname aan die 2016 Fakulteit Gesondheidswetenskappe Fakulteitsnavorsingsforum van die Universiteit van die Vrystaat.

DONORS / DONATEURS

BRONZE / BRONS

Hobix Frames (Willem Landman)
Whitehead Scientific
School of Medicine UFS

SILVER / SILWER

School of Nursing UFS
Prof G Joubert

GOLD / GOUD

None

PLATINUM / PLATINUM

Faculty Management Committee, Faculty of Health Sciences
Prof C Witthuhn, Vice-Rector: Research, University of the Free State

EXHIBITORS / UITSTALLERS

- Ampath
- Cure Day Clinic
- Discovery
- Duxah
- Marcus Medical
- MPS
- Nestlé
- Novagen
- Partner 4 Life
- South African Medical Association
- SANBS
- SSEM Mthembu Medical
- 3F Scientific
- The Scientific Group
- Welch Allyn/Nostics
- Whitehead Scientific

Program/ Programme

DONDERDAG, 25 AUGUSTUS 2016 / THURSDAY, 25 AUGUST 2016

	KINE 1		
SESSION 1 08h00-08h15	Chairperson: Prof FJ Burt Opening Lecture: Prof GJ van Zyl (Dean: Faculty of Health Sciences)		
SESSION 2 08h20-10h05	KINE 1	KINE 2	KINE 3
	Chairperson: Ms Corlia Brandt Clinical Papers: KR 1 to 7	Chairperson: Prof Chris Viljoen Laboratory Papers: LR 1 to 7	Chairperson: Dr Lily van Rhyn Educational Papers: OR 1 to 7
08h20-08h35	KR1: Charmaine Hassan	LR1: Yuri Munsamy	OR1: Dirk Hagemeister
08h35-08h50	KR2: Willem Blaauw	LR2: Wattie Janse van Rensburg	OR2: Mathys Labuschagne
08h50-09h05	KR3: Willie Boonzaier	LR3: Tumelo Sekee	OR3: Mia Vermaak
09h05-09h20	KR4: Willem Hiddenma	LR4: Sussan Acho	OR4: Magteld Smith
09h20-09h35	KR5: Louise van den Berg	LR5: Sne Myeni	OR5: Alwyn Hugo
09h35-09h50	KR6: Ronette Lategan-Potgieter	LR6: Pakiso Moeti	OR6: Maretha le Roux
09h50-10h05	KR7: Reinette Ebersohn	LR7: Oluwaseyi Oderinde	OR7: Riaan Schoeman
TEA/TEE (10h05 – 10h15)			
	KINE 1		
SESSION 3 10h15-10h45	Chairperson: Ms T Rauch-van der Merwe Invitation Lecture: Prof A Beylefeld <i>"A mist makes things beautiful": Quality markers of qualitative research</i>		
SESSION 4 10h50-13h05	KINE 1	KINE 2	KINE 3
	Chairperson: Dr Esme le Grange Clinical Papers: KR 8 to 16	Chairperson: Prof Magda Theron Laboratory Papers: LR 8 to 16	Chairperson: Ms Michelle Butler Educational Papers: OR 8 to 13
10h50-11h05	KR8: Marius Swart	LR8: Anneke van der Spoel van Dijk	OR8: Gina Joubert
11h05-11h20	KR9: Nantes Combrinck	LR9: Mpoi Makhetha	OR9: Gina Joubert
11h20-11h35	KR10: Kevin Daffue	LR10: Muriel Meiring	OR10: Elize Janse van Rensburg
11h35-11h50	KR11: Jaco Pieterse	LR11: Jaco Oosthuizen	OR11: Elize Janse van Rensburg
11h50-12h05	KR12: Gerhard van der Westhuizen	LR12: Jaco Joubert	OR12: Chantel van Wyk
12h05-12h20	KR13: Ferdinand Mampuya	LR13: Jaco Joubert	
12h20-12h35	KR14: Etienne Henn	LR14: Johnathan Adams	
12h35-12h50	KR15: Etienne Henn	LR15: Michael Combrink	
12h50-13h05	KR16: Corlia Brandt	LR16: Gert Terblanche	
LUNCH/MIDDAGETE (13H05-13H30)			

SESSION 5 13h30-14h00	KINE 1	
	<u>Chairperson:</u> Dr M Labuschagne Invitation Lecture: Prof D Meyer <i>"Intralesion Bleomycin in Ophthalmic tumors – the Stellenbosch Experience".</i>	
	<u>Chairperson:</u> Prof G Joubert	
14h05-14h20	Best Student Paper	School of Allied Health Professions
14h20-14h35	Best Student Paper	School of Nursing
14h35-14h50	Best Student Paper	School of Medicine
TEA/TEE (14h50-15h05)		
SESSION 6 15h05-16h30	KINE 1	
	<u>Chairperson:</u> Dr Nicholas Pearce Clinical Posters: KPV 1 to 6	
15h05-15h10	KPV1: Lucia Meko	
15h10-15h15	KPV2: Nico Bernard	
15h15-15h20	KPV3: Annelize Vorster	
15h20-15h25	KPV4: Anke van der Merwe	
15h25-15h30	KPV5: Melanie Pienaar	
	<u>Chairperson:</u> Dr Nerina van der Merwe Laboratory Posters: LPV 1 to 2	
15h30-15h35	LPV1: Moleboheng Binyane	
15h40-15h45	LPV2: Beynon Abrahams	
	<u>Chairperson:</u> Ms Anna-Marie Welman Educational Posters: OPV 1 to 8	
15h45-15h50	OPV1: Santie van Vuuren	
15h55-16h00	OPV2: Riaan van Wyk	
16h00-16h05	OPV3: Daleen Raubenheimer	
16h05-16h10	OPV4: Monique de Milander	
16h10-16h15	OPV5: Chantel van Wyk	
16h15-16h20	OPV6: Chantel van Wyk	
16h20-16h25	OPV7: Tonie Gerber	
16h25-16h30	OPV8: Eduard Nell	

Program/ Programme
VRYPDAG, 26 AUGUSTUS 2016 / FRIDAY, 26 AUGUST 2016

	KINE 1	
SESSIE 7 08h00-08h45	<u>Sessievoorsitter:</u> Prof GJ van Zyl FP Retieflesing: Prof B Morrow – University of Cape Town <i>"Bridging the gap: Integrating research and clinical care in South Africa".</i>	
SESSIE 8 08h50-10h35	KINE 1	KINE 2
	<u>Sessievoorsitter:</u> Prof Willem Kruger Kliniese Referate: KR 17 tot 23	<u>Sessievoorsitter:</u> Prof William Rae Laboratorium Referate: LR 17 tot 21
08h50-09h05	KR17: Marizeth Jordaan	LR17: Deborah Damane
09h05-09h20	KR18: Paulina van Zyl	LR18: Daniella Violante
09h20-09h35	KR19: Elmine du Toit	LR19: Demare Potgieter
09h35-09h50	KR20: Danie Luyt	LR20: Maxwell Sokhela
09h50-10h05	KR21: Corinna Walsh	LR21: Chantel Booysen
10h05-10h20	KR22: Chris van Zyl	
10h20-10h35	KR23: Chun-yen Wu	
TEA/TEE (10h35-11h05)		
SESSIE 9 11h05-12h20	KINE 1	KINE 2
	<u>Sessievoorsitter:</u> Prof Andre Venter Kliniese Referate: KR24 tot	<u>Sessievoorsitter:</u> Dr Jacques Raubenheimer Laboratorium Referate: LR22 tot 25
11h05-11h20	KR24: Asha Malan	LR22: Barend Koortzen
11h20-11h35	KR25: Arno Celliers	LR23: Bhavini Dajee
11h35-11h50	KR26: Jan Arndt	LR24: Anneke van Marle
11h50-12h05	KR27: Je'nine Horn-Lodewyk	LR25: Makgotso Maotoana
12h05-12h20	KR28: Marcel de Kock	LR26: Michaela Morphis

SESSIE 10 12h20-12h50	KINE 1	
	<u>Sessievoorsitter:</u> Dr A de Kock Uitnodiginglesing: Prof A Fossey “The essence of life and the number game”	
LUNCH/MIDDAGETE (12h50-13h20)		
SESSIE 11 13h30 – 14h15	KINE 1	
	<u>Sessievoorsitter:</u> Dr Santie van Vuuren Replieke: Eksterne Evalueerders	
13h30-13h45	Repliek	Prof A Beylefeld
13h45-14h00	Repliek	Prof D Meyer
14h00-14h15	Repliek	Prof A Fossey
AFSLUITING		
	FOYER	
16H00	AANKONDIGING VAN DIE WENNERS	
	BELANGRIKE KENNISGEWING Alle persone wat voordragte tydens die Forum lewer moet na afloop van Vrydag se verrigtinge in die Foyer aanmeld vir die aankondiging van die prysweners en oorhandiging van pryse tydens ‘n skemerkelkonthaal. IMPORTANT NOTICE: All persons who present papers during the Forum must assemble in the Foyer directly after the conclusion of Friday’s programme for the announcement of the winners and handing over of prizes during a cocktail function.	

Programme / Program
THURSDAY, 25 AUGUST 2016 / DONDERDAG, 25 AUGUSTUS 2016

SESSION 2	KINE 1	KR1 08h20	KNOWLEDGE, ATTITUDE AND PRACTICES [KAP] OF HEALTHCARE WORKERS IN THE FREE STATE, SOUTH AFRICA REGARDING TYPE 2 DIABETES MELLITUS <u>C. Hassan</u> Social Sciences
		KR2 08h35	MAXIMUM TRANSFUSION RATE OF RED CELL CONCENTRATE (RCC) IN ADULTS WITH REGARDS TO THE POTASSIUM CONTENT OF RED CELL CONCENTRATE <u>WS Blaauw</u> Anaesthesiology
		KR3 08h50	DOSIMETRIC DATA FOR DIAGNOSTIC DIGITAL MAMMOGRAPHY EMPLOYING FULLY AUTOMATED SELF ADJUSTING TILT COMPRESSION <u>WPE Boonzaier</u> Medical Physics
		KR4 09h05	THE TRANSVERSE ACETABULAR LIGAMENT AS AN INTRA-OPERATIVE GUIDE TO CUP ABDUCTION <u>WB Hiddema</u> Orthopaedic surgery
		KR5 09h20	TYPE 2 DIABETES OUT-PATIENT CARE IN MASERU: A REVOLVING DOOR? <u>VL van den Berg</u> Nutrition and Dietetics
		KR6 09h35	HYDRATION PRACTICES OF LONG DISTANCE RUNNERS IN THE SOUTH AFRICAN NATIONAL DEFENCE FORCE <u>R Lategan-Potgieter</u> Nutrition and Dietetics
		KR7 09h50	ANATOMICAL VARIATIONS IN CELIAC TRUNK BRANCHING PATTERNS <u>R Ebersohn</u> Basic Medical Sciences
SESSION 2	KINE 2	LR1 08h20	CHARACTERISATION OF HPV31 COMPLETE GENOME ASSOCIATED WITH HEAD AND NECK CANCER <u>Y Munsamy</u> Medical Microbiology and Virology
		LR2 08h35	CAN DRINKING ROOIBOS TEA PREVENT STROKE? <u>WJ Janse van Rensburg</u> Haematology & Cell Biology
		LR3 08h50	PREPARATION OF TRANSCRIBED RNA FOR USE AS A POSITIVE CONTROL FOR DETECTION OF TRANSCRIPTIONALLY ACTIVE HUMAN PAPILLOMAVIRUSES <u>TR Sekee</u> Medical Microbiology and Virology
		LR4 09h05	INTERACTIVE BREAST MASS SEGMENTATION USING CONVEX ACTIVE CONTOUR MODEL WITH OPTIMAL THRESHOLD VALUES <u>SN Acho</u> Medical Physics
		LR5 09h20	PERFORMANCE OF A COST-EFFECTIVE ADAMTS13 ANTIGEN ASSAY <u>S Myeni</u> Haematology and Cell Biology
		LR6 09h35	VALIDATION OF AND SCREENING OF SOUTH AFRICAN FAMILIAL BREAST CANCER PATIENTS FOR LARGE GENOMIC REARRANGEMENTS USING MULTIPLEX LIGATION DEPENDANT PROBE AMPLIFICATION (MLPA) <u>PJ Moeti</u> Human Genetics

Programme / Program
THURSDAY, 25 AUGUST 2016 / DONDERDAG, 25 AUGUSTUS 2016

SESSION 2	KINE 2	LR7 09h50	MONTE CARLO SIMULATION BENCHMARKED AGAINST MEASUREMENT FOR AN ELEKTA SYNERGY LINAC EQUIPPED WITH AN AGILITY 160-LEAF MLC <u>OM Oderinde</u> Medical Physics
SESSION 2	KINE 3	OR 1 08h20	SPECIALISATION PREFERENCES OF UFS UNDERGRADUATE MEDICAL STUDENTS <u>DT Hagemeister</u> School of Medicine
		OR 2 08h35	REPORT BACK ON ASSESSMENT RUBRIC TO EVALUATE INTERPROFESSIONAL STUDENT COLLABORATION <u>MJ Labuschagne</u> Clinical Simulation and Skills Unit
		OR3 08h50	FROM PAPER TO PRACTICE – ACADEMICS AND PRACTITIONERS WORKING TOGETHER IN ENHANCING THE USE OF OCCUPATIONAL THERAPY CONCEPTUAL MODELS <u>ME Vermaak</u> Occupational Therapy
		OR4 09h05	COCHLEAR IMPLANTATION AND DEAF EDUCATION ARE COST EFFECTIVE IN SUB-SAHARAN AFRICA <u>M Smith</u> Otorhinolaryngology
		OR5 09h20	DO ACADEMIC INDICATORS INCLUDING NBT SCORES PREDICT SUCCESS IN THE FIRST SEMESTER OF AN MBCHB PROGRAMME? <u>AP Hugo</u> Undergraduate Programme Management
		OR6 09h35	DIABETES-RELATED KNOWLEDGE, ATTITUDES AND PRACTICES OF ADULT PATIENTS WITH TYPE 2 DIABETES IN THE FREE STATE, SOUTH AFRICA <u>M le Roux</u> Nutrition and Dietetics
		OR7 09h50	DIFFERENCES IN MATCH ACTIVITIES BETWEEN THE SUPER RUGBY AND CURRIE CUP COMPETITION DURING THE 2014 SEASON <u>R Schoeman</u>
SESSION 4	KINE 1	KR8 10h50	MINIMAL EXTRACORPOREAL CIRCULATION: A CLINICAL APPRAISAL <u>MJ Swart</u> Health Sciences Education
		KR9 11h05	THE ROLE OF POST MORTEM COMPUTED TOMOGRAPHY IN ASSAULT VICTIMS WITH HEAD TRAUMA IN SOUTH AFRICA <u>N Combrinck</u> Clinical Imaging Sciences
		KR10 11h20	CT STROKE FINDINGS AND POPULATION DEMOGRAPHICS AT PELONOMI HOSPITAL, BLOEMFONTEIN <u>K Daffue</u> Clinical Imaging Sciences
		KR11 11h35	INVESTIGATION OF THE GROWTH PATTERNS OF NON-FUNCTIONING PITUITARY MACROADENOMAS USING VOLUMETRIC ASSESSMENTS ON SERIAL MRI INVESTIGATIONS <u>J Pieterse</u> Clinical Imaging Sciences
		KR12 11h50	THE YIELD OF PATHOLOGICAL FINDINGS FROM ROUTINE SCREENING CHEST X-RAYS IN A MILITARY POPULATION <u>G van der Westhuizen</u> Clinical Imaging Sciences

Programme / Program
THURSDAY, 25 AUGUST 2016 / DONDERDAG, 25 AUGUSTUS 2016

SESSION 4	KINE 1	KR13 12h05	PREVALENCE OF RISK FACTORS AND HUMAN IMMUNO DEFICIENCY VIRUS AMONG THE PATIENTS WITH DOPPLER PROVEN DEEP VEIN THROMBOSIS IN KIMBERLEY HOSPITAL <u>FK Mampuya</u> Family Medicine
		KR14 12h20	NATIVE TISSUE PELVIC FLOOR RECONSTRUCTIVE SURGERY IN THE HIV-POSITIVE WOMAN: RESULTS FROM A PROSPECTIVE COHORT <u>EW Henn</u> Obstetrics & Gynaecology
		KR15 12h35	CAN WE SAFELY USE MESH FOR PELVIC FLOOR RECONSTRUCTIVE SURGERY IN HIV POSITIVE WOMEN? AN AFRICAN PERSPECTIVE <u>EW Henn</u> Obstetrics & Gynaecology
		KR16 12h50	WOMEN SCHEDULED FOR PELVIC FLOOR RECONSTRUCTIVE SURGERY: A NEURO-MUSCULOSKELETAL PERSPECTIVE <u>C Brandt</u> Physiotherapy
SESSION 4	KINE 2	LR8 10h50	SEQUENCING THE TARGET (ATPE) OF BEDAQUILINE IN MYCOBACTERIUM TUBERCULOSIS ISOLATES <u>A van der Spoel van Dijk</u> Medical Microbiology
		LR9 11h05	PALB2 MUTATIONS IN BRCA NEGATIVE SA WOMEN WITH A POSITIVE FAMILY HISTORY <u>MF Makhetha</u> Human Genetics
		LR10 11h20	HIV-ASSOCIATED TTP – WHAT WE KNOW SO FAR <u>M Meiring</u> Haematology and Cell Biology
		LR11 11h35	LARGE CONTRIBUTION OF ANCESTRAL FOUNDER MUTATIONS TOWARDS FAMILIAL BREAST CANCER RISK IN THE COLOURED POPULATION FROM THE WESTERN CAPE <u>J Oosthuizen</u> Human Genetics
		LR12 11h50	PERFORMANCE EVALUATION OF THE COAG-SENSE® POINT-OF-CARE INR-TESTING SYSTEM <u>J Joubert</u> Haematology & Cell Biology
		LR13 12h05	PERFORMANCE EVALUATION OF THE MICROINR® POINT-OF-CARE INR-TESTING SYSTEM <u>J Joubert</u>
		LR14 12h20	DO MUTATIONS IN BLOOM'S SYNDROME ACT AS A MODIFIER OF FAMILIAL BREAST CANCER RISK IN SOUTH AFRICANS? <u>J Adams</u> Human Genetics
		LR15 12h35	THE SOUTH AFRICAN INDIAN POPULATION: WHY IS FAMILIAL BREAST CANCER COMPLICATED FOR THIS UNIQUE POPULATION? <u>HMVE Combrink</u> Human Genetics
		LR16 12h50	OPTIMIZATION OF RNA EXTRACTION AND ENRICHMENT TECHNIQUES FOR APPLICATION IN VIRUS DISCOVERY <u>GIDUP Terblanche</u> Medical Microbiology and Virology

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SESSION 4	KINE 3	OR8 10h50	FACULTY OF HEALTH SCIENCES RESEARCH FORUM: 2001-2005 AND 2011-2015 COMPARED <u>G Joubert</u> Biostatistics
		OR9 11h05	THE POSTGRADUATE RESEARCH METHODOLOGY MODULE IN THE SCHOOL OF MEDICINE, UFS: INVESTIGATING AN ONLINE APPROACH <u>G Joubert</u> Biostatistics
		OR10 11h20	A FRAMEWORK FOR OCCUPATIONAL ENABLEMENT THROUGH SERVICE LEARNING IN OCCUPATIONAL THERAPY <u>E Janse van Rensburg</u> Occupational Therapy
		OR11 11h35	COMMUNITY OUTCOMES OF OCCUPATIONAL THERAPY SERVICE LEARNING ENGAGEMENTS: PERCEPTIONS OF COMMUNITY REPRESENTATIVES <u>E Janse van Rensburg</u> Occupational Therapy
		OR12 11h50	A FRAMEWORK TO SUPPORT THE NEWLY APPOINTED ACADEMIC IN THEIR ROLE AS HEALTH PROFESSIONS EDUCATOR <u>C van Wyk</u> Health Sciences Education
SESSION 6	KINE 1	KPV1 15h05	BREAKFAST EATING HABITS AND ANTHROPOMETRICAL MEASUREMENTS OF GRADE 8 AND 9 LEARNERS IN BLOEMFONTEIN, SOUTH AFRICA <u>NML Meko</u> Nutrition and Dietetics
		KPV2 15h10	THE USE OF ULTRASONOGRAPHIC LUNG SLIDING SIGN IN CONFIRMING CORRECT PLACEMENT OF DOUBLE-LUMEN TUBE INTUBATION <u>NJ Bernard</u> Anaesthesiology
		KPV3 15h15	ALCOHOL AND SUBSTANCE USE AMONG NURSING STUDENTS AT THE UNIVERSITY OF THE FREE STATE <u>A Vorster</u>
		KPV4 15h20	THE DEVELOPMENT OF A PHYSIOTHERAPY INTERVENTION PROGRAM FOR MANDIBULAR CONDYLE FRACTURE PATIENTS <u>A van der Merwe</u> Physiotherapy
		KPV5 15h25	COMMUNICATION STRATEGIES TO ACCOMPLISH EFFECTIVE HEALTH DIALOGUE IN ADULTS WITH CHRONIC DISEASES IN LOW AND MIDDLE INCOME COUNTRIES: A SYSTEMATIC REVIEW <u>MA Pienaar</u>
SESSION 6	KINE 1	LPV1 15h30	THE EFFECT OF PHELA ON P-GLYCOPROTEIN AND MULTIDRUG RESISTANCE-ASSOCIATED PROTEIN 2 TRANSPORTERS IN THE GASTROINTESTINAL TRACT OF A RAT MODEL <u>ME Binyane</u> Pharmacology
		LPV2 15h40	THE EFFECTS OF VARIOUS COMBINATIONS OF DIFFERENT CLASSES OF ANTICANCER DRUGS AND TYROSINE KINASE INHIBITORS ON THE HUMAN MCF-7 BREAST CARCINOMA CELL LINE <u>B Abrahams</u> Basic Medical Sciences

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SESSION 6	KINE 1	OPV1 15h45	WELLNESS AMONG STUDENTS IN ALLIED HEALTH PROFESSIONS IN BLOEMFONTEIN, SOUTH AFRICA <u>S van Vuuren</u> School for Allied Health Professions
		OPV2 15h55	SIMULATION AS EDUCATIONAL STRATEGY TO DELIVER INTERPROFESSIONAL EDUCATION <u>R van Wyk</u> Clinical Simulation & Skills Unit
		OPV3 16h00	THE BARE BONES: WHAT STUDENTS REALLY NEED FOR LEARNING OSTEOLOGY <u>D Raubenheimer</u> Basic Medical Sciences
		OPV4 16h05	SPORT STACKING MOTOR INTERVENTION PROGRAMME FOR CHILDREN WITH DEVELOPMENTAL COORDINATION DISORDER <u>M de Milander</u> Exercise and Sport Sciences
		OPV5 16h10	CONTINUOUS PROFESSIONAL DEVELOPMENT: WHAT ARE THE NEEDS OF EMERGENCY MEDICAL CARE PRACTITIONERS? <u>C van Wyk</u> Health Sciences Education
		OPV6 16h15	PEOPLE LIVING WITH HIV AND AIDS IN LESOTHO: WHAT ARE THE RISK FACTORS? <u>C van Wyk</u> Health Sciences Education
		OPV7 16h20	AN INFERENTIAL COMPARISON BETWEEN THE CAPABILITIES AND ACHIEVEMENTS OF FIRST YEAR MEDICAL AND NURSING STUDENTS AT THE UNIVERSITY OF THE FREE STATE <u>AM Gerber</u> Basic Medical Sciences
		OPV8 16h25	EFFECTS OF THE INCORPORATION OF THE FREE STATE COLLEGE OF EMERGENCY CARE UNDER A HIGHER EDUCATION INSTITUTION <u>EN Nell</u> Health Sciences Education

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SESSION 8	KINE 1	KR17 08h50	ANAEMIA PREVALENCE AND DIETARY DIVERSITY AMONG WOMEN IN THE RURAL FREE STATE, SOUTH AFRICA <u>EM Jordaan</u> Nutrition & Dietetics
		KR18 09h05	DEPRESSION, ANXIETY, STRESS AND SUBSTANCE USE IN MEDICAL STUDENTS AT THE UFS <u>PM van Zyl</u> Pharmacology
		KR19 09h20	DO THE THINGS THAT MEN DO INFLUENCE SEMEN PARAMETERS? <u>E du Toit</u> Nutrition & Dietetics
		KR20 09h35	THE RELATIONSHIP BETWEEN COMPUTED TOMOGRAPHY MEASUREMENT OF THE OPTIC NERVE SHEATH DIAMETER AND ELEVATED INTRACRANIAL PRESSURE IN NON-TRAUMA PATIENTS <u>DF Luyt</u> Clinical Imaging Sciences
		KR21 09h50	BODY MASS INDEX CUT-POINTS TO IDENTIFY CARDIOMETABOLIC RISK IN BLACK SOUTH AFRICANS <u>CM Walsh</u> Nutrition & Dietetics
		KR22 10h05	ROLE OF CRANIAL COMPUTED TOMOGRAPHY IN HUMAN IMMUNODEFICIENCY VIRUS-POSITIVE PATIENTS WITH GENERALISED SEIZURES <u>C van Zyl</u> Clinical Imaging Sciences
		KR23 10h20	ASSESSMENT OF THE MICROBIOLOGICAL PROFILE OF BREAST ABSCESSSES TREATED AT A TERTIARY HOSPITAL IN BLOEMFONTEIN, SOUTH AFRICA <u>C Wu</u> Surgery
SESSION 8	KINE 2	LR17 08h50	PREPARATION OF RECOMBINANT ANTIGEN FOR SEROLOGICAL DETECTION OF AFRICAN HANTAVIRUSES <u>D Damane</u> Medical Microbiology & Virology
		LR18 09h05	THE EFFECT OF COLLIMATOR CHOICE ON QUANTITATIVE ASSESSMENT OF IODINE-123 ON THE GROUNDS OF CONTRAST ACCURACY AND HEART-MEDIASTINUM RATIO <u>D Violante</u> Medical Physics
		LR19 09h20	COMPARISON OF THYROID IMAGE QUALITY FOR PINHOLE AND PARALLEL HOLE COLLIMATORS: A PHANTOM STUDY <u>D Potgieter</u>
		LR20 09h05	DEVELOPMENT AND VALIDATION OF A MOLECULAR ASSAY AND EVALUATION OF THE GENEXPERT MTB/RIF ASSAY FOR THE RAPID DETECTION OF GENITAL TUBERCULOSIS <u>CM Sokhela</u> Medical Microbiology and Virology
		LR21 09h50	SCREENING FOR CALRETICULIN MUTATIONS IN A FREE STATE COHORT SUSPECTED OF HAVING A MYELOPROLIFERATIVE NEOPLASM <u>C Booysen</u> Haematology & Cell Biology

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SESSION 9	KINE 1	KR24 11h05	STRESS ULCER PROPHYLAXIS IN THE ICU - FRIEND OR FOE? <u>AF Malan</u> Surgery
		KR25 11h20	CLINICALLY RELEVANT MRI FINDINGS IN ELITE SWIMMERS SHOULDERS <u>A Celliers</u> Clinical Imaging Sciences
		KR26 11h35	THE EFFECT OF POPLITEUS TENDON DIVISION ON TOTAL KNEE ARTHROPLASTY <u>JD Arndt</u> Orthopaedic Surgery
		KR27 11h50	COMPARATIVE EVALUATION OF IN-HOUSE PREPARED ^{99m}Tc-EC-DG AND ¹⁸F-FDG IN PRIMARY BREAST CANCER: CLINICAL RELEVANCE AND PRACTICABILITY <u>J Horn-Lodewyk</u> Nuclear Medicine
		KR28 12h05	PREDICTING THE FOREST GRADE IN PEPTIC ULCER DISEASE IN PATIENTS PRESENTING WITH UPPER GASTRO-INTESTINAL HAEMORRHAGE. WHAT INFORMATION ARE WE NOT OPTIMISING <u>M de Kock</u> Surgery
SESSION 9	KINE 2	LR22 11h05	PRESENCE OF GLYPHOSATE IN FOOD PRODUCTS IN SOUTH AFRICA OF WHICH MAIZE OR SOYBEAN IS THE PRIMARY CONSTITUENT <u>BJ Koortzen</u> Haematology and Cell Biology
		LR23 11h20	INFLUENCE OF SMALLER MUTATIONS ON THE MULTIPLEX LIGATION DEPENDANT PROBE AMPLIFICATION TECHNIQUE (MLPA) <u>BK Dajee</u> Human Genetics
		LR24 11h35	COMPARISON OF THE DIFFERENT BLOOD PRODUCTS CURRENTLY AVAILABLE IN SA FOR THE TREATMENT OF THROMBOTIC THROMBOCYTOPENIC PURPURA <u>AC van Marle</u> Haematology and Cell Biology
		LR25 11h50	SCREENING OF INFREQUENT RIFAMPICIN MUTATIONS IN MYCOBACTERIUM TUBERCULOSIS <u>M Maotoana</u> Medical Microbiology
		LR26 12h05	TECHNETIUM-99M AND GOLD-198 ACTIVITY QUANTIFICATION USING SPECT/CT MONTE CARLO SIMULATIONS <u>M Morphis</u> Medical Physics

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 4 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 poster exhibition is on display in the marble foyer of the F.P. Retief Building for viewing from Wednesday to Friday.
5. A friendly reminder: All winners will be announced at the last session of the Forum, Friday afternoon at 16h00.

Prof FJ Burt

Chairperson: Organising Committee

INSTRUKSIES VIR AANBIEDERS

1. Die outeur wie se naam onderstreep is in die abstrak, lewer die voordrag.
2. 'n Referaat duur 15 minute (insluitend 5 minute vir vrae), en 'n plakkaatvoordrag duur 4 minute (insluitend 2 minute vraetyd). Hoflik versoek ons dat aanbieders streng by die toegekende tyd hou ten einde elkeen 'n billike kans te gee.
3. Fasiliteite vir elektroniese dataprojeksie is beskikbaar. In die lig van die beperkte tyd, versoek ons aanbieders vriendelik om hul aanbiedings betyds op die rekenaarnetwerk te laai.
4. Die plakkaatuitstalling kan besigtig word in die marmervoorportaal van die F.P. Retiefgebou vanaf Woensdag tot Vrydag.
5. 'n Vriendelike herinnering: Die wenner word aangekondig by die laaste sessie van die Forum om 16h00.

Prof FJ Burt

Voorsitter: Reëlingskomitee





