

FACULTY OF HEALTH SCIENCES 51st RESEARCH FORUM

Thursday 29 and Friday 30 August 2019

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 2019 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 51st Faculty Research Forum, it is the Faculty's vision that emerging trends in research processes will come to fulfilment.

Message from Professor GJ van Zyl
Dean Faculty of Health Sciences

Professor GJ van Zyl's message for the Faculty Research Forum 2019

A special and warm welcome to the 51st Faculty Research Forum. It is difficult to follow in the footsteps of a celebration such as we had last year. But let us be honest – each year has its own character. May this Faculty Forum produce an excellent result as in the past. Thank you to each researcher who presents this year for having invested the time and effort to participate in this prestigious research event. I want us also to honour all the administrative and support staff behind the scenes who made this event possible; the donors and sponsors and the faculty community at large. Thank you!



A cordial welcome is extended to Prof Laetitia Rispel (WITS) as the presenter of the 2019 FP Retief Lecture. We are grateful to have three highly distinguished external adjudicators attending: Prof Liesl Zuhlke (UCT), Prof Gerda Reitsma (NWU) and Dr Jacqueline Weyer (NICD). 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 attendance of the session that presents the student winners of 2019. Every year this is a session highlight that justly deserves the attention of all faculty members. Your attendance of this session allows our students the recognition they deserve.

My message at the opening this year will be about how we take up the challenge of today to celebrate our history. *“The two most powerful warriors are patience and time.” – Leo Tolstoy.* What a challenge!

Once again we are indebted to Prof Corli Witthuhn and to the Faculty Management who both provided generous sponsorships to the Faculty Research Forum. We are also deeply indebted to the organising committee for their expertise and effort behind the scenes; more so for this bumper edition that required additional effort. Finally I would like to repeat my invitation to attend the FP Retief Lecture, as well as the presentations by our external evaluators. May the special 51 year celebrations be a most rewarding experience. Welcome to all and enjoy the forum!

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

Prof GJ van Zyl
DEAN



HEALTH SCIENCES
GESONDHEIDSWETENSKAPPE
UFS·UV

EXTERNAL ADJUDICATORS

CLINICAL EXTERNAL ADJUDICATOR

Prof Liesl Zuhlke



Prof Liesl Zuhlke is a Paediatric Cardiologist in the Department of Paediatric Cardiology at the Red Cross Children's Hospital. Prof Zuhlke directs the Children's Heart Disease Research Unit, focusing on needs within Africa.

Prof Zuhlke has received a number of awards, including an academic excellence award from Discovery, a NIH Fogarty Fellowship and the Hamilton Naki Post-doctoral Clinical Scholarship, amongst others.

Over the past years, she was one of the organizers of the 6th World Congress of Paediatric Cardiology and Cardiac Surgery, the World Congress of Cardiology and Cardiovascular Health as well as the World Congress of Paediatric Cardiology and Cardiac Surgery.

Prof Zuhlke is NRF rated with over 100 publications including in *Circulation*, *Lancet* and *European Heart Journal*. She was the first woman consultant in her department and one of only two women Associate Professors of Paediatric Cardiology in the country – the only one

of colour.

EDUCATIONAL EXTERNAL ADJUDICATOR

Prof Gerda Reitsma

Prof Gerda Marié Reitsma is currently the Director of the Centre for Health Professions Education in the Faculty of Health Sciences at the North-West University (NWU). She has a PhD in Teaching and Learning (2006), Higher Education Diploma (Cum Laude) (2002) and an MSc (1996).

She was appointed as Health Professions Education Researcher in 2014, where she focussed on promoting SoTL, faculty development and on Health Science Education in the Higher Education context. Under her leadership, the Centre for Health Professions Education was established. She is responsible for implementing the Faculty Strategic Teaching and Learning Plan through projects focussing on curriculum transformation, blended learning, graduate attributes, staff development and mentoring, work-integrated learning, inter-professional education and student development. Her outputs include a number of articles in national and international journals, conference presentations and post-graduate students. She is an active member of SAAHE, SAFRI and AfriPEN.



LABORATORY EXTERNAL ADJUDICATOR

Dr Jacqueline Weyer

Dr Weyer is a Principal Medical Scientist in the Center for Emerging Zoonotic and Parasitic Diseases, National Institute for Communicable Diseases since 2007. She is tasked with the laboratory



investigation (diagnostics and research) of human rabies, viral haemorrhagic fevers and arboviral disease of concern to the health of the South African public. She completed her PhD in Microbiology at the University of Pretoria at the age of 26. From 2004 to 2005 she was employed as Research Fellow with the Rabies Unit of the Centers for Disease Control and Prevention, Atlanta Georgia, United States of America. In 2006 she was awarded the L'Oreal-UNESCO, Department of Science and Technology Woman in Science Award: PhD Fellowship for Life Sciences. In 2018 she was awarded the degree Master of Public Health, *cum laude* from the Sefako Makgatho Health Sciences University in South Africa. She is actively involved in the post-graduate supervision of students and serves as an

Extraordinary Lecturer at the Department of Medical Virology, University of Pretoria. In the past 10 years, Jacqueline has authored and co-authored more than 40 scientific papers in peer-reviewed journals, and seven chapters in books, and achieved a National Research Foundation C2 rating in 2017. Jacqueline also serves on several institutional, national and regional committees and working groups for rabies, one health and biosafety and biosecurity.

26th – FP RETIEF Lecture

INVITED SPEAKER

Professor Laetitia Rispel



Professor Laetitia Rispel holds a South African Department of Science and Technology/ National Research Foundation Research Chair, entitled *Research on the Health Workforce for Equity and Quality* and is Professor of Public Health at the University of the Witwatersrand. She is a former Head of the Wits School of Public Health (2012-January 2017), as well as a former Head of the Gauteng Provincial Government Department of Health (2001-2006).

Professor Rispel has extensive and wide-ranging experience of research, teaching, and health leadership in different settings, and has published extensively on different aspects of health policy and the transformation of the South African health system. She has won several national and international awards, including the South African Shoprite/Checkers/SABC2 woman of the year award in the health category (2003); International Nurse Researcher Hall of Fame of the Sigma Theta Tau Nursing Honors Society (2013); Gauteng branch of the South African Medical Association award in the allied category (2013); University vice-chancellor's academic citizenship award (2014); Academy of Science of South Africa membership award (2015); and co-chair of the South African Lancet Commission, established as part of the Lancet Global Health Commission on High-Quality Health Systems in the Sustainable Development Goals era (2017).

She is the current president of the World Federation of Public Health Associations, the first woman from Africa, and the third in the 50-year history of the organisation to achieve this honour. Professor Rispel is the Chair of the 2019 Ministerial Task Team on Human Resources for Health (HRH), established to develop the 2030 HRH Strategy and Plan, linked to the country's National Development Plan, and the National Health Insurance System.

FP RETIEF Lecture

26 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 CJC Nel se loopbaan in die Faculteit / 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 Polocy

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

ORGANIZING COMMITTEE

Chair:	Prof Stephen Brown
Vice chair:	Ms Anneke van der Spoel van Dijk
Dean:	Prof Gert van Zyl
Vice-Dean: Research:	Prof Joyce Tsoka-Gwegweni
Faculty Admin:	Ms Marlene Viljoen
Liaison Officer:	Ms Sandra Gouws
Research Admin:	Ms Monica Fleischman
School of Clinical Medicine:	Prof Stephen Brown
School of Pathology:	Ms Anneke van der Spoel van Dijk
School of Biomedical Sciences:	Dr Tonie Gerber
School for Allied Health Professions:	Prof Louise van den Berg
School of Nursing:	Dr Cynthia Spies
Laboratory:	Prof Dominique Goedhals
Clinical:	Prof Hanneke Brits
Educational:	Prof Louise van den Berg
Student Forum Chair:	Dr Chantelle Liebenberg

EVALUATION COMMITTEES

CLINICAL

Internal Evaluation Committee:	Prof Hanneke Brits (Chair) Dr Shaun Maasdorp Dr Marsha Oberholzer
External adjudicator:	Prof Liesl Zuhlke, University of Cape Town
Adjudicators of research articles:	Prof Liesl Zuhlke – University of Cape Town Prof Verusia Chetty – University of KwaZulu Natal Dr Klaus von Pressentin – Mossel Bay

LABORATORY

Internal Evaluation Committee:	Prof Dominique Goedhals (Chair) Dr Willie Shaw Ms Sandhya Sreenivasan Tantuan
External adjudicator:	Dr Jacqueline Weyer – NICD
Adjudicators of research articles:	Dr Jacqueline Weyer – NICD Prof Lesley Scott – University of the Witwatersrand Prof Kobus Slabbert – prev iTHEMBA LABS

EDUCATIONAL

Internal Evaluation Committee	Prof Louise van den Berg (Chair) / (<i>Secundi – Prof CM Walsh</i>) Dr Lizemari Hugo Dr Chantel van Wyk (<i>Secundi Dr M Jama</i>)
External adjudicator	Prof Gerda Reitsma – North-West University
Adjudicators of research articles:	Prof Gerda Reitsma – North-West University Prof Lionel Green-Thompson – Sefako Magatho Health Sciences University Dr Veena Singaram – University of KwaZulu Natal

PRIZE WINNERS OF RESEARCH ARTICLES

John van der Riet Medal Winner

R Tydeman-Edwards, FC van Rooyen & CM Walsh

Department of Nutrition and Dietetics, School for Allied Health Professions

Obesity, undernutrition and the double burden of malnutrition in the urban and rural southern Free State, South Africa

Heliyon 4 (2018)

Muller Potgieter Medal Winner

MM Nyaga, Y Tan, ML Seheri, RA Halpin, A Akopov, KM Stucker, NB Fedorova, S Shrivastava, AD Steele, JM Mwenda, BE Pickett, SR Das, MJ Mphahlele

Division of Virology, School of Pathology

Whole-genome sequencing and analyses identify high genetic heterogeneity, diversity and endemicity of rotavirus genotype P [6] strains circulating in Africa

Infection, Genetics and Evolution 63 (2018)

Kerneels Nel Medal Winner

EC Janse van Vuuren, K Bodenstein, M Nel

Department of Physiotherapy, School for Allied Health Professions

Stressors and coping strategies among physiotherapy students: Towards an integrated support structure

Health SA Gesondheid 23(0) (2018)

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 2019 Faculty of Health Sciences Faculty Research Forum of the University of the Free State.

DONORS

BRONZE

South African Medical Association (SAMA)

Life Rosepark Hospital

Discovery

Ascendis Medical

SILVER

None

GOLD

Free State Branch SA Heart

UFS School of Nursing

PLATINUM

Faculty Management Committee, Faculty of Health Sciences

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

EXHIBITORS

- Discovery
- Elsevier
- Hillrom
- Life Rosepark Hospital
- Novagen
- Partner4Life
- South African Medical Association (SAMA)
- The Scientific Group
- SANBS
- 3F Scientific Pty Ltd
- SSEM Mthembu Medical
- Whitehead Scientific

Programme
THURSDAY, 29 AUGUST 2019

	KINE 1		
SESSION 1 08h00-08h30	<i>Chairperson: Prof Stephen Brown</i> Opening Lecture: Prof GJ van Zyl (Dean: Faculty of Health Sciences)		
SESSION 2 08h35-10h05	KINE 1	KINE 2	KINE 3
	<i>Chairperson:</i> <i>Prof JM Tsoka-Gwegweni</i> Clinical Papers: CR 1 to 6	<i>Chairperson:</i> : <i>Prof CD Viljoen</i> Laboratory Papers:	<i>Chairperson:</i> <i>Dr D van Jaarsveldt</i> Educational Papers: ER 1 to 6
08h35-08h50	CR1 Lucky Khambule	LR1 Stalyn Mutsakanyi	ER1 Lesego Radebe
08h50-09h05	CR2 Robyn Smith	LR2 Iqra Barakzai	ER2 Anke van der Merwe
09h05-09h20	CR3 Mariette Rothman	LR3 Makgotso Maotoana	ER3 Durotolu Adeleke
09h20-09h35	CR4 Carika Fourie	LR4 Johané Cronjé	ER4 Melanie Pienaar
09h35-09h50	CR5 Johannes van Niekerk	LR5 Déte van Eeden	ER5 Lynette van der Merwe
09h50-10h05	CR6 Carina Haasbroek	LR6 Matefo Litabe	ER6 Champion Nyoni
TEA (10h05 – 10h25)			
	KINE 1		
SESSION 3 10h25-10h55	<i>Chairperson: Prof Hanneke Brits</i> Invitation Lecture: Prof Liesl Zuhlke <i>Integrating research into clinical practice: an example from Children Heart Disease</i>		
SESSION 4 11h00-13h00	KINE 1	KINE 2	KINE 3
	<i>Chairperson:</i> <i>Prof JC Naicker</i> Clinical Papers: CR 7 to 14	<i>Chairperson:</i> <i>Ms A vd Spoel v Dijk</i> Laboratory Papers: LR 7 to 14	<i>Chairperson:</i> <i>Dr M Reid</i> Educational Papers: ER 7 to 9
11h00-11h15	CR7 Sanet van Zyl	LR7 Jaco Oosthuizen	ER7 Arnelle Mostert
11h15-11h30	CR8 Chantelle van der Bijl	LR8 Karl Sachse	ER8 Monique de Milander
11h30-11h45	CR9 Malekhetho Mohale	LR9 André de Kock	ER9 Tania Rauch van der Merwe
11h45-12h00	CR10 Colleen Sinclair	LR10 Micah Dimaculangan	
12h00-12h15	CR11 Sam Letsoara	LR11 Sandhya Sreenivasan Tantuan	
12h15-12h30	CR12 Corinna Walsh	LR12 Chantelle Booysen	
12h30-12h45	CR13 Thelma Hansen	LR13 Riaan Schoeman	
12h45-13h00	CR14 Thelma Hansen	LR14 Peter Mwangi	
LUNCH (13h00-13h45)			

SESSION 5 13h45-14h15	KINE 1	
	<u>Chairperson:</u> Prof GJ van Zyl FP Retief Lecture: Prof Laetitia Rispel <i>Building Scholarship and Capacity for Universal Health Coverage</i>	
SESSION 6 14h15-15h00	<u>Chairperson:</u> Dr Chantelle Liebenberg	
14h15-14h30	Best Student Paper	School for Allied Health Professions
14h30-14h45	Best Student Paper	School of Nursing
14h45-15h00	Best Student Paper	School of Medicine
TEA (15h00-15h20)		
SESSION 7 15h20-16h20	KINE 1	
	<u>Chairperson:</u> Dr E Le Grange Clinical Posters: CP 1 to 5	
15h20-15h25	CP1 Elna de Waal	
15h25-15h30	CP2 Terence Mutize	
15h30-15h35	CP3 Jovane Esterhuizen	
15h35-15h40	CP4 Susan Louw	
15h40-15h45	CP5 Lehlohonolo Makhakhe	
	<u>Chairperson:</u> Dr L Haupt Laboratory Posters: LP 1 to 3	
15h45-15h50	LP1 Esther Kalambi-Matengu	
15h50-15h55	LP2 Jolly Musoke	
15h55-16h00	LP3 Piet-Theron Jansen	
	<u>Chairperson:</u> Prof EC Janse van Vuuren Educational Posters: EP 1 to 4	
16h00-16h05	EP1 Marianne Reid	
16h05-16h10	EP2 Hanneke Brits	
16h10-16h15	EP3 Hanneke Brits	
16h15-16h20	EP4 Ute Hallbauer	

Programme
FRIDAY, 30 AUGUST 2019

	KINE 1	
SESSION 8 08h00-08h30	Chairperson: Prof Corinna Walsh Invitation Lecture: Prof Gerda Reitsma Health Sciences and the Scholarship of Teaching and Learning - a winning partnership	
SESSION 9 08h35-10h05	KINE 1	KINE 2
	Chairperson: Prof N Mofolo Clinical Papers: CR 15 - 20	Chairperson: Dr MM Nyaga Laboratory Papers: LR 15 – 20
08h35-08h50	CR15 Paulina van Zyl	LR15 Chris Viljoen
08h50-09h05	CR16 Monwabisi Nonkula	LR16 Sebotsana Rasebotsa
09h05-09h20	CR17 Thabo De-Huis	LR17 Anneke van der Spoel van Dijk
09h20-09h35	CR18 Taha Gwila	LR18 Corne Thuynsma
09h35-09h50	CR19 Cornelius van der Westhuizen	LR19 Elsmari Wium
09h50-10h05	CR20 Sthenjiswa Mhlongo	LR20 Hans van den Heever
TEA/TEE (10h05-10h25)		
SESSION 10 10h25-11h10	KINE 1	KINE 2
		Chairperson: Dr D van Eeden Laboratory Papers: LR 21 – 23
10h25-10h40		LR21 Walter Janse van Rensburg
10h40-10h55		LR22 Monique Nel
10h55-11h10		LR23 Hané Pieters
SESSION 11 11h15-11h45	KINE 1	
	Chairperson: Prof Dominique Goedhals Invitation Lecture: Dr Jacqueline Weyer Ebola virus disease: an update on recent outbreaks and developments towards treatment and prophylaxis	
LUNCH (11h45-12h30)		

SESSION 12 12h30 – 13h15	KINE 1	
	<u>Chairperson:</u> <i>Prof Stephen Brown</i> Reflections: External Evaluators	
<i>12h30-12h45</i>	Reflection Clinical External Adjudicator	Prof Liesl Zuhlke
<i>12h45-13h00</i>	Reflection Educational External Adjudicator	Prof Gerda Reitsma
<i>13h00-13h15</i>	Reflection Laboratory External Adjudicator	Dr Jacqueline Weyer
CLOSURE		
	FOYER	
16h00	Announcement of Winners IMPORTANT NOTICE: All persons who present papers during the Forum must assemble in the Foyer for the announcement of the winners and handing over of prizes during the prize function.	

Programme
THURSDAY, 29 AUGUST 2019

Session 2	KINE 1	<p>CR1 FACTORS INFLUENCING INFRAINGUINAL REVERSE VEIN BYPASS PATENCY AT UNIVERSITAS ACADEMIC HOSPITAL</p> <p>08h35-08h50</p> <p>Presenter: <u>Lucky Khambule</u></p> <p>Authors: LM Khambule, A Malan</p> <p>Department: Surgery</p>
Session 2	KINE 1	<p>CR2 NEURODEVELOPMENTAL EVALUATION AND REFERRAL PRACTICES IN CHILDREN WITH CONGENITAL HEART DISEASE IN CENTRAL SOUTH AFRICA</p> <p>08h50-09h05</p> <p>Presenter: <u>Robyn Smith</u></p> <p>Authors: R Smith⁺, H Nel⁺, C Marais⁺, R Kraaij⁺, H Le Roux⁺, E Scholtz⁺, R Steenekamp⁺, T van Eeden⁺, M van Wyk⁺, C van Rooyen[*], SC Brown[#]</p> <p>Departments: Department of Physiotherapy, University of the Free State⁺; Department of Biostatistics, University of Free State[*]; Department of Paediatrics and Child Health, University of Free State[#]</p>
Session 2	KINE 1	<p>CR3 A RETROSPECTIVE REVIEW OF PATIENTS WITH STAGE 3 CERVICAL CANCER TREATED WITH RADICAL RADIOTHERAPY AT UNIVERSITAS HOSPITAL ANNEX FROM 2001 TO 2010</p> <p>09h05-09h20</p> <p>Presenter: <u>Mariette Rothman</u></p> <p>Authors: M Rothman, H Napo</p> <p>Department: Oncology</p>
Session 2	KINE 1	<p>CR4 OUTCOMES OF PATIENTS RECEIVING RADICAL RADIATION WITH CONCURRENT CHEMOTHERAPY FOR VULVA CANCER AT UNIVERSITAS HOSPITAL ONCOLOGY DEPARTMENT, FREE STATE, SOUTH AFRICA</p> <p>09h20-09h35</p> <p>Presenter: <u>Carika Fourie</u></p> <p>Authors: C Fourie, A Sherriff</p> <p>Department: Oncology</p>
Session 2	KINE 1	<p>CR5 THE EMOTIONAL IMPACT OF A DEATH ON THE THEATRE TABLE ON THE ANAESTHETIST IN SOUTH AFRICA</p> <p>09h35-09h50</p> <p>Presenter: <u>Johannes van Niekerk</u></p> <p>Authors: JJS van Niekerk, J Lemmer-Malherbe</p> <p>Department: Department of Anaesthesiology</p>
Session 2	KINE 1	<p>CR6 OVERWEIGHT, OBESITY AND THE PREVALENCE OF LIFESTYLE DISEASES AT THE AIR FORCE BASE BLOEMSPRUIT</p> <p>09h50-10h05</p> <p>Presenter: <u>Carina Haasbroek</u></p> <p>Authors: C Haasbroek, R Lategan-Potgieter, M Jordaan</p> <p>Department: Department of Nutrition and Dietetics</p>
Session 2	KINE 2	<p>LR1 CHARACTERISATION OF PHOTON MULTILEAF COLLIMATED ELECTRON BEAMS FOR ELEKTA SYNERGY USING FILM MEASUREMENTS</p> <p>08h35-08h50</p> <p>Presenter: <u>Stalyn Mutsakanyi</u></p> <p>Authors: S Mutsakanyi</p> <p>Department: Medical Physics</p>
Session 2	KINE 2	<p>LR2 HIV DRUG RESISTANCE IN SAMPLES FROM THE ROUTINE EARLY INFANT DIAGNOSIS PROGRAMME.</p> <p>08h50-09h05</p> <p>Presenter: <u>Iqra Barakzai</u></p> <p>Authors: I Barakzai, PA Bester, J Frater, D Goedhals</p> <p>Department: Division of Virology, Faculty of Health Sciences, University of the Free State/NHLS; Nuffield Department of Clinical Medicine, University of Oxford</p>

Session 2	KINE 2	<p>LR3 CHARACTERIZATION OF T CELL RESPONSES TO THE NON-STRUCTURAL PROTEINS OF THE M-SEGMENT IN SURVIVORS OF CRIMEAN- CONGO HAEMORRHAGIC FEVER</p> <p>09h05-09h20</p> <p>Presenter: <u>MG Maotoana</u></p> <p>Authors: MG Maotoana⁺, WJ Janse van Rensburg*, LW Murray[#], FJ Burt^{+,**}, D Goedhals^{+,**}</p> <p>Departments: Division of Virology, UFS⁺ Human Molecular Biology Unit, Department of Haematology and Cell Biology, UFS* Department of Internal Medicine, University of the Witwatersrand[#] Division of Virology, National Health Laboratory Service^{**}</p>
Session 2	KINE 2	<p>LR4 IMPLEMENTATION AND VERIFICATION OF A MULTIPLEX PCR ASSAY TO DETECT FLT3-ITD AND NPM1 MUTATIONS IN ACUTE MYELOID LEUKAEMIA PATIENTS</p> <p>09h20-09h35</p> <p>Presenter: <u>Johané Cronjé</u></p> <p>Authors: J Cronjé, A De Kock, J Kloppers</p> <p>Departments: Department of Haematology and Cell Biology, School of Pathology, Faculty of Health Sciences, UFS / Tissue Typing Laboratory, Haematology and Cell Biology, Universitas Academic Complex, National Health Laboratory Services, Bloemfontein</p>
Session 2	KINE 2	<p>LR5 IMPROVED BREAST CT IMAGES THROUGH INCORPORATION OF A VIRTUAL BOWTIE FILTER</p> <p>09h35-09h50</p> <p>Presenter: <u>Déte van Eeden</u></p> <p>Authors: D van Eeden, FCP du Plessis</p> <p>Department: Medical Physics, High Performance Computing Unit</p>
Session 2	KINE 2	<p>LR6 IN VITRO IMMUNE RESPONSES TO SINDBIS VIRUS</p> <p>09h50-10h05</p> <p>Presenter: <u>Matefo Litabe</u></p> <p>Authors: M M Litabe, F J Burt</p> <p>Department: Division of Virology, NHLS and UFS</p>
Session 2	KINE 3	<p>ER1 THE USE OF TRADITIONAL FOLK MEDIA TO CONVEY DIABETES MESSAGES TO PATIENTS IN A SOUTH AFRICAN CONTEXT</p> <p>08h35-08h50</p> <p>Presenter: <u>Lesego Radebe</u></p> <p>Authors: Lesego Radebe, D Krige, M Reid, R Nel</p> <p>Department: Communication Science, Nursing, Biostatistics</p>
Session 2	KINE 3	<p>ER2 A FRAMEWORK FOR THE INTEGRATION OF SIMULATION IN THE SOUTH AFRICAN UNDERGRADUATE PHYSIOTHERAPY PROGRAMME:A NARRATIVE SYSTEMATIC REVIEW</p> <p>08h50-09h05</p> <p>Presenter: <u>Anke van der Merwe</u></p> <p>Authors: A van der Merwe, RY Barnes, MJ Labuschagne</p> <p>Department: Department of Physiotherapy; Support School of Medicine</p>
Session 2	KINE 3	<p>ER3 THE PREVALENCE OF BURNOUT AMONG ANAESTHESIOLOGY REGISTRARS IN THE UNIVERSITY OF THE FREE STATE</p> <p>09h05-09h20</p> <p>Presenter: <u>Durotolu Adeleke</u></p> <p>Authors: DM Adeleke, G Lamacraft</p> <p>Department: Anaesthesiology</p>
Session 2	KINE 3	<p>ER4 A FACE-TO-FACE PEER SUPPORT MODEL FOR ADULTS WITH TYPE 2 DIABETES: A SYSTEMATIC REVIEW</p> <p>09h20-09h35</p> <p>Presenter: <u>Melanie Pienaar</u></p> <p>Authors: M Pienaar, M Reid</p> <p>Department: School of Nursing</p>

Session 2	KINE 3 09h35-09h50	ER5 COPING IN HEALTHCARE PROFESSIONS STUDENTS AND STAFF AT THE UFS Presenter: <u>Lynette van der Merwe</u> Authors: LJ van der Merwe, A Botha, G Joubert Department: Undergraduate Medical Programme Management, School of Clinical Medicine, Biostatistics, School of Biomedical Sciences
Session 2	KINE 3 09h50-10h05	ER6 A FRAMEWORK TO IMPLEMENT AND SUSTAIN A CURRICULAR INNOVATION IN A HIGHER EDUCATION MIDWIFERY PROGRAMME Presenter: <u>Champion Nyoni</u> Authors: C Nyoni, Y Botma Department: School of Nursing
Session 4	KINE 1 11h00-11h15	CR7 MULTIPLE RISK FACTORS AND INFLAMMATORY MARKERS FOR CHRONIC DISEASES OF LIFESTYLE IN URBAN AND RURAL COMMUNITIES IN THE FREE STATE Presenter: <u>Sanet van Zyl</u> Authors: S van Zyl, C M Walsh, FC van Rooyen, G Joubert Department: Basic Medical Sciences, Nutrition and Dietetics, Biostatistics
Session 4	KINE 1 11h15-11h30	CR8 DOCTOR MOTHERS: INFANT FEEDING INTENTIONS AND BEHAVIOURS Presenter: <u>Chantelle van der Bijl</u> Authors: CC van der Bijl, WJS Steinberg, TK Kellerman, C van Rooyen Department: Family Medicine, Biostatistics
Session 4	KINE 1 11h30-11h45	CR9 THE PROFILE OF PATIENTS TREATED FOR TTP IN THE WESTERN CAPE:2010 TO 2017 Presenter: <u>Malekhetho Mohale</u> Authors: M Mohale ⁺ , W Janse van Rensburg*, C Hilton [#] , N Munday [#] , C van Rooyen ⁺⁺ , C Barrett ⁺ Department: Department of Internal Medicine ⁺ , University of the Free State. Human Molecular Biology Unit, University of the Free State*. Western Cape Blood Service [#] . Department of Biostatistics, University of the Free State ⁺⁺
Session 4	KINE 1 11h45-12h00	CR10 PHYSICAL AND PHYSIOLOGICAL PROFILE OF U18, U19, U21 AND SENIOR ELITE NETBALL PLAYERS Presenter: <u>Colleen Sinclair</u> Authors: CJ Sinclair, FF Coetzee, R Schall Department: Department of Exercise and Sport Sciences; Department of Mathematical Statistics and Actuarial Science
Session 4	KINE 1 12h00-12h15	CR11 PATIENT AND TUMOUR FACTORS AFFECTING THE HISTOLOGY OF SENTINEL LYMPH NODE BIOPSY IN BREAST CANCER PATIENTS AT UNIVERSITAS HOSPITAL, BLOEMFONTEIN Presenter: <u>Sam Letsoara</u> Authors: RS Letsoara, NE Pearce Department: General Surgery
Session 4	KINE 1 12h15-12h30	CR12 THE IMPACT OF A FERMENTED MILK AND PHYSICAL ACTIVITY INTERVENTION ON INDICATORS OF FRAILTY AND MALNUTRITION IN THE ELDERLY IN LESOTHO Presenter: <u>Corinna May Walsh</u> Authors: R Kokui D Turkson ⁺ , JO Ngounda ⁺ , M Nel [*] , C M Walsh ⁺ Department: Corinna May Walsh

Session 4	KINE 1	CR13 BREAKFAST AND LUNCHBOXES FOR FOUNDATION PHASE LEARNERS: DO KNOWLEDGE AND INTENT REFLECT IN PRACTICES OF CAREGIVERS? Presenter: Thelma Hansen Authors: T Hansen, E du Toit, R Lategan-Potgieter, C van Rooyen Department: Department of Nutrition and Dietetics, University of the Free State, Bloemfontein, South Africa
	12h30-12h45	
Session 4	KINE 1	CR14 DO ATTITUDES OF CAREGIVERS TOWARDS HEALTHY EATING REFLECT IN PROVIDING HEALTHY BREAKFAST AND LUNCHBOXES TO CHILDREN? Presenter: Thelma Hansen Authors: T Hansen, E du Toit, R Lategan-Potgieter, C van Rooyen Department: Department of Nutrition and Dietetics, University of the Free State, Bloemfontein, South Africa
	12h45-13h00	
Session 4	KINE 2	LR7 LIKELIHOOD OF BRCA2 P3293L TO CAUSE DISEASE Presenter: Jaco Oosthuizen Authors: J Oosthuizen, K Ntaita, D Notani, P Kgoare, NC van der Merwe, M Theron Department: Division of Human Genetics, UFS & NHLS, Bloemfontein
	11h00-11h15	
Session 4	KINE 2	LR8 A NOVEL ELECTRON BEAM CHARACTERIZATION MODEL FOR TOTAL SKIN IRRADIATION Presenter: Karl Sachse Authors: K Sachse, LJ Strauss, W Shaw Department: Medical Physics
	11h15-11h30	
Session 4	KINE 2	LR9 THE IMPACT OF MOTHERLESS TESTING ON THE OUTCOME OF PATERNITY RESULTS Presenter: André De Kock Authors: A De Kock, JF Kloppers Department: Department of Haematology and Cell Biology
	11h30-11h45	
Session 4	KINE 2	LR10 SIMPLE METHOD TO PREPARE A POSITIVE CONTROL FOR DIFFERENTIATING A TRUE POSITIVE FROM A LABORATORY CONTAMINATION Presenter: Micah Dimaculangan Authors: M Dimaculangan, SC Wiid, PA Bester, TR Sekee, FJ Burt Department: Division of Virology, Faculty of the Health Sciences, UFS and NHLS
	11h45-12h00	
Session 4	KINE 2	LR11 A PILOT STUDY INVESTIGATING THE INCIDENCE OF MISLABELLING IN PROCESSED MEAT PRODUCTS SOLD IN SOUTH AFRICA Presenter: S Sreenivasan Tantuan Authors: S Sreenivasan Tantuan, C Booysen, CD Viljoen Department: Human Molecular Biology Unit, School of Biomedical Sciences
	12h00-12h15	
Session 4	KINE 2	LR12 DNA EXTRACTION FROM ULTRA-PROCESSED FOOD PRODUCTS: #ULTRADIFFICULT Presenter: Chantelle Booysen Authors: C Booysen, S Sreenivasan Tantuan, CD Viljoen Department: Human Molecular Biology Unit
	12h15-12h30	
Session 4	KINE 2	LR13 COMPARISON OF MATCH-RELATED PERFORMANCE INDICATORS BETWEEN MAJOR PROFESSIONAL RUGBY COMPETITIONS. Presenter: Riaan Schoeman Authors: R Schoeman, R Schall Department: Exercise and Sport Sciences
	12h30-12h45	

Session 4	KINE 2	<p>LR14 WHOLE GENOME CHARACTERIZATION OF ZAMBIAN ROTAVIRUS STRAINS REVEALS REMARKABLE CHANGES POST-ROTAVIRUS VACCINE INTRODUCTION</p> <p>Presenter: <u>Peter Mwangi</u></p> <p>Authors: P Mwangi, MT Mogotsi, SP Rasebotsa, S Sabiu, J Simwaka, M Monze, EM Mpabalwani, B Matapo, NB Magagula, K Rakau, ML Seheri, MJ Mphalele, JM Mwenda, MM Nyaga</p> <p>Department: University of the Free State-Next Generation Sequencing Unit (UFS-NGS), Division of Virology</p>
12h45-13h00		
Session 4	KINE 3	<p>ER7 THE QUALITY OF LIFE OF UNIVERSITY OF THE FREE STATE HEALTH SCIENCES STUDENTS</p> <p>Presenter: <u>Arnelle Mostert</u></p> <p>Authors: A Mostert, MP Jama, G Joubert, LJ van der Merwe</p> <p>Department: Department of Basic Medical Sciences, Faculty of Health Sciences, University of the Free State, Bloemfontein, Free State, South Africa</p>
11h00-11h15		
Session 4	KINE 3	<p>ER8 THE PREVALENCE OF DEVELOPMENTAL COORDINATION DISORDER AMONGST GRADE ONE LEARNER'S IN LOW SOCIO-ECONOMIC ENVIRONMENTS IN MANGAUNG</p> <p>Presenter: <u>Monique de Milander</u></p> <p>Authors: M de Milander, AM du Plessiss, FF Coetzee</p> <p>Department: Exercise and Sport Sciences</p>
11h15-11h30		
Session 4	KINE 3	<p>ER9 EXCAVATING THE BONES OF THE PAST: FOUCAULDIAN DISCOURSE ANALYSIS AS METHODOLOGY TOWARD DECOLONIZATION OF CURRICULA</p> <p>Presenter: <u>Tania Rauch van der Merwe</u></p> <p>Authors: Tania Rauch van der Merwe</p> <p>Department: Occupational Therapy</p>
11h30-11h45		
Session 7	KINE 1	<p>CP1 FUNDAMENTAL MOVEMENT SKILLS AND ACADEMIC PERFORMANCE OF 5-TO 6-YEAR-OLD PRE-SCHOOLERS</p> <p>Presenter: <u>Elna de Waal</u></p> <p>Authors: E de Waal</p> <p>Department: Department of Exercise and Sport Sciences, School of Allied Health Professions, Faculty of Health Sciences, University of the Free State</p>
15h20-15h25		
Session 7	KINE 1	<p>CP2 CLINICAL FEATURES OF HEREDITARY HAEMORRHAGIC TELANGIECTASIA (HHT) PATIENTS IN CENTRAL SOUTH AFRICA, A PRELIMINARY REPORT</p> <p>Presenter: <u>Terence Mutize</u></p> <p>Authors: TT Mutize⁺, MJ Coetzee⁺, RY Seedat[*], SC Brown[#], F Gebremariam⁺⁺, HJ Mager^{**}, HK Ploos van Amstel^{**}</p> <p>Department: Haematology and Cell Biology UFS⁺, Otorhinolaryngology UFS[*], Paediatric Cardiology UFS[#], Clinical Imaging Sciences⁺⁺, Dutch Centre of Excellence for HHT, St Antonius Ziekenhuis, Utrecht^{**}</p>
15h25-15h30		
Session 7	KINE 1	<p>CP3 A PROSPECTIVE STUDY OF AN ALGORITHM USING PHENYLEPHRINE INFUSED THROUGH A NON-ELECTRONIC DEVICE, FOR PREVENTION AND TREATMENT OF HYPOTENSION FOLLOWING SPINAL ANAESTHESIA FOR CAESAREAN SECTION IN A SOUTH AFRICAN TEACHING HOSPITAL</p> <p>Presenter: <u>Jovane Esterhuizen</u></p> <p>Authors: JL Esterhuizen, G Lamacraft</p> <p>Department: Anaesthesiology</p>
15h30-15h35		
Session 7	KINE 1	<p>CP4 THE CLINICAL IMPACT OF THE COMMON AFRIKANER BRCA2 8162delG FOUNDER VARIANT</p> <p>Presenter: <u>Susan Louw</u></p> <p>Authors: S Louw, M Conradie, BD Henderson, NC van der Merwe</p> <p>Department: Department of Human Genetics and Clinical Genetics</p>
15h35-15h40		

Session 7	KINE 1 15h40-15h45	CP5 CRYOTHERAPY FOR PEDUNCULATED KELOIDS Presenter: <u>Lehlohonolo Makhakhe</u> Authors: L Makhakhe, N Dlova, A Mosam, F Maruma Department: Dermatology, UFS; Nelson R Mandela School of Medicine, University of Kwazulu Natal
Session 7	KINE 1 15h45-15h50	LP1 VALIDATION OF THE CEREBROSPINAL FLUID (CSF) MODULE OF THE SIEMENS ADVIA® 2120I FOR AUTOMATED CELL COUNTS OF CEREBROSPINAL FLUID Presenter: <u>Esther Kalambi-Matengu</u> Authors: E Kalambi-Matengu, L Haupt, Y Coovadia Department: Department of Haematology and Cell Biology & Department of Microbiology
Session 7	KINE 1 15h50-15h55	LP2 THE PREVALENCE AND BACTERIAL DISTRIBUTION OF PERITONITIS AMONG ADULTS UNDERGOING CONTINUOUS AMBULATORY PERITONEAL DIALYSIS AT UNIVERSITAS HOSPITAL Presenter: <u>Jolly Musoke</u> Authors: A Natverlal ⁺ , I Moola ⁺ , U Kajee ⁺ , Y Moola ⁺ , A Parlato ⁺ , A Bailey ⁺ , J Arendse [*] , F Bisiwe [#] , J Musoke [*] Department: Faculty of Health Sciences, University of the Free State ⁺ Department of Medical Microbiology, Universitas National Health Laboratory Services [*] Division of Nephrology, Universitas Academic Hospital [#]
Session 7	KINE 1 15h55-16h00	LP3 WHO'S WHO? AN ERROR OF IDENTITY Presenter: <u>Piet-Theron Jansen</u> Authors: PT Jansen, TJ Naicker Department: Chemical Pathology
Session 7	KINE 1 16h00-16h05	EP1 VALIDITY AND RELIABILITY TESTING OF THE SESOTHO HEALTH LITERACY TEST (SHLT) Presenter: <u>Marianne Reid</u> Authors: M Reid, M Nel Department: School of Nursing; Department of Biostatistics
Session 7	KINE 1 16h05-16h10	EP2 STUDENTS' VOICE: STUDENTS FAILING ASSESSMENTS OR ASSESSMENT FAILING STUDENTS? Presenter: <u>Hanneke Brits</u> Authors: H Brits, G Joubert, LJ vd Merwe, J Bezuidenhout Department: Family Medicine
Session 7	KINE 1 16h10-16h15	EP3 COMMUNICATION IN CPC BEYOND GENERATION, CULTURAL AND LANGUAGE BARRIERS: A CASE SERIES OF DRAWINGS Presenter: <u>H Brits</u> Authors: H Brits Department: Family Medicine
Session 7	KINE 1 16h15-16h20	EP4 EVALUATION OF COMMUNITY-BASED EDUCATION FOR DIETETIC STUDENTS ATTENDING AND ASSISTING AT A CAMP FOR CHILDREN WITH DIABETES Presenter: <u>Ute Hallbauer</u> Authors: UM Hallbauer, R Lategan-Potgieter, G Joubert Department: Paediatrics & Child Health, Nutrition and Dietetics, Biostatistics

Programme
FRIDAY, 30 AUGUST 2019

Session 9	KINE 1	CR15 SINGLE NUCLEOTIDE POLYMORPHISMS IN FOUR SELECTED GENES AND EARLY OUTCOMES OF ALCOHOL DETOXIFICATION AND REHABILITATION.
	08h35-08h50	Presenter: <u>Paulina van Zyl</u> Authors: PM van Zyl, G Marx, G Joubert Department: Department of Pharmacology, UFS, Department of Genetics, UFS, Department of Biostatistics, UFS
Session 9	KINE 1	CR16 PREVALENCE OF DRY EYE DISEASE AMONG PATIENTS AT THE EYE CLINIC IN NELSON MANDELA ACADEMIC HOSPITAL
	08h50-09h05	Presenter: <u>Monwabisi Nonkula</u> Authors: DM Nonkula, TA Rasengane, Dr Adamjee Department: Optometry, Optometry, Ophthalmology
Session 9	KINE 1	CR17 THE IMPACT OF RACE AND GENDER ON CLINICAL OUTCOMES IN PATIENTS UNDERGOING CORONARY ARTERY BYPASS GRAFT SURGERY
	09h05-09h20	Presenter: <u>Thabo De-Huis</u> Authors: TJ De-Huis, JC Diedericks, FE Smit, L Botes Department: Cardiothoracic surgery
Session 9	KINE 1	CR18 INFECTIVE ENDOCARDITIS IN CENTRAL SOUTH AFRICA IN THE HIV ERA – A SURGICAL PERSPECTIVE
	09h20-09h35	Presenter: <u>Taha Gwila</u> Authors: T Gwila, FE Smit, M Jansen van Vuuren, M Hanekom, L Botes, C A Mestres Department: Cardiothoracic surgery
Session 9	KINE 1	CR19 STANDARDISATION OF 16S RRNA GENE SEQUENCING ASSAY FOR THE IDENTIFICATION OF BORDETELLA PERTUSSIS AND VALIDATION USING SAMPLES OF A SURVEILLANCE STUDY IN PAEDIATRIC CASES IN BLOEMFONTEIN
	09h35-09h50	Presenter: <u>Cornelius van der Westhuizen</u> Authors: C van der Westhuizen, A van der Spoel van Dijk, M Nyaga, U Hallbauer, J Musoke Department: Medical Microbiology
Session 9	KINE 1	CR20 LOCO-REGIONAL CONTROL WITH HYPO FRACTIONATED SPLIT COURSE RADIOTHERAPY IN PATIENTS WITH LOCAL ADVANCED SQUAMOUS CELL CARCINOMAS OF THE HEAD AND NECK, TREATED AT UNIVERSITAS ACADEMIC HOSPITAL, BLOEMFONTEIN
	09h50-10h05	Presenter: <u>Sthenjiswa Mhlongo</u> Authors: S Mhlongo Department: Oncology
Session 9	KINE 2	LR15 PREDICTIVE VALUE OF DNA CONCENTRATIONS DETERMINED USING SPECTROPHOTOMETRY COMPARED TO FLUOROMETRY FOR APPLICATIONS IN MOLECULAR BIOLOGY
	08h35-08h50	Presenter: <u>Chris Viljoen</u> Authors: CD Viljoen, C Booysen, S Sreenivasan Tantuan Department: Human Molecular Biology Unit

Session 9	KINE 2	<p>LR16 WHOLE GENOME ANALYSES OF ROTAVIRUS G1P[8] STRAINS CIRCULATING PRE- AND POST ROTATEQ™ VACCINE INTRODUCTION IN RWANDA</p> <p>Presenter: <u>Sebotsana Rasebotsa</u></p> <p>Authors: S Rasebotsa, PN Mwangi, MT Mogotsi, S Sabiu, LP Mosime, NB Magagula, K Rakau, J Uwimana, L Mutesa, N Muganga, D Murenzi, L Tuyisenge, MJ Mphahlele, LM Seheri, JM Mwenda, MM Nyaga</p> <p>Department: Next Generation Sequencing Unit, Division of Virology</p>
	08h50-09h05	
Session 9	KINE 2	<p>LR17 MULTI-DRUG RESISTANT PROFILES AND CARBAPENEMASE DETERMINANTS OF ACINETOBACTER BAUMANNII ISOLATES FROM THE UNIVERSITAS ACADEMIC HOSPITAL, FREE STATE</p> <p>Presenter: <u>Anneke van der Spoel van Dijk</u></p> <p>Authors: A Pather*, Y Coovadia*, A Van Der Spoel Van Dijk*</p> <p>Department: Universitas Academic Laboratory, National Health Laboratory Service⁺, Department of Medical Microbiology, UFS*</p>
	09h05-09h20	
Session 9	KINE 2	<p>LR18 MYCOBACTERIUM TUBERCULOSIS IN CHILDREN (0-9 YEARS) IN THE FREE STATE PROVINCE OF SOUTH AFRICA: JUNE 2016 – JULY 2018</p> <p>Presenter: <u>Corne Thuynsma</u></p> <p>Authors: C Thuynsma⁺, Y Coovadia*, A Van der Spoel van Dijk*</p> <p>Department: Department of Medical Microbiology, Faculty of Health Sciences, UFS⁺ Universitas Academic Laboratory, National Health Laboratory Service, Department of Medical Microbiology, UFS*</p>
	09h20-09h35	
Session 9	KINE 2	<p>LR19 DESIGN, MANUFACTURE AND INVESTIGATION OF A PROTOTYPE RIGID TRILEAFLET HEART VALVE</p> <p>Presenter: <u>ElsMari Wium</u></p> <p>Authors: Elsmari Wium</p> <p>Department: Cardiothoracic Surgery</p>
	09h35-09h50	
Session 9	KINE 2	<p>LR20 TISSUE ENGINEERING OF BOVINE PERICARDIAL TISSUE IN THE CIRCULATORY SYSTEM OF A YOUNG OVINE MODEL: COMMERCIAL VERSUS IN-HOUSE DECELLULARIZATION</p> <p>Presenter: <u>Hans van den Heever</u></p> <p>Authors: Botes L⁺, JJ van den Heever*, L Laker*, PM Dohmen*[#], D Bester*, FE Smit*</p> <p>Department: Department of Health Sciences, CUT⁺; Department of Cardiothoracic Surgery, UFS*; Department of Cardiovascular Surgery, Rostock University, Germany[#]</p>
	09h50-10h05	
Session 10	KINE 2	<p>LR21 MOLECULAR SUITABILITY OF THE CHACMA BABOON MODEL OF ACQUIRED THROMBOTIC THROMBOCYTOPENIC PURPURA WHEN EVALUATING ANTI-VWF AGENTS</p> <p>Presenter: <u>Walter Janse van Rensburg</u></p> <p>Authors: Walter Janse van Rensburg</p> <p>Department: Human Molecular Biology Unit</p>
	10h25-10h40	
Session 10	KINE 2	<p>LR22 DOSE AND IMAGE OPTIMIZATION IN CT FOR ADULT PATIENTS</p> <p>Presenter: <u>Monique Nel</u></p> <p>Authors: M Nel</p> <p>Department: Medical Physics</p>
	10h40-10h55	
Session 10	KINE 2	<p>LR23 DOSE- AND IMAGE OPTIMIZATION IN COMPUTED TOMOGRAPHY CHEST EXAMINATIONS FOR ADULT PATIENTS USING THE TAGUCHI ANALYSIS</p> <p>Presenter: <u>Hané Pieters</u></p> <p>Authors: H Pieters</p> <p>Department: Medical Physics</p>
	10h55-11h10	