

Faculty of Health Sciences Undergraduate Research Day

Programme



8 October 2015

Venue: Learning Centre Lecture Theatre



'growing tomorrow's researchers today'

Welcome

Dr Virginia Zweigenthal (Chair) and the Organising Committee welcome you to the 2015 annual Faculty of Health Sciences Undergraduate Research Day. The theme for the day is “Growing future researchers”. This is a wonderful occasion where the talents, skills and fruit of students’ research are showcased and we are immensely proud of the hard work done.

We thank students for submitting and presenting their work, and to their supervisors for their commitment to student learning and support. Many people have given generously of their time, and we are honoured to have the high calibre of judges and reviewers who contributed to make the day a success. Today we have two visiting judges: Emeritus Professor Janet Seggie, currently the editor of the South African Medical Journal and past member of staff who gave direction to our undergraduate medical curriculum, and Professor Gey van Pittius, the dean for research in the Faculty of Medicine and Health Sciences at our sister University of Stellenbosch. Thank you for your support.

We thank the staff and students who rescheduled teaching programmes, enabling student attendance this afternoon. Undergraduate research is valued by the Faculty and today is an example of this commitment. Thank you all - staff, students and supporters for attending and for making the day the success it is.

Judges

A/Prof Andrea Rother	(Department of Public Health and Family Medicine)
Ms Christine Rogers	(Department of Health and Rehabilitation Sciences)
Ms Candice Hendricks	(Department of Health and Rehabilitation Sciences)
Ms Mapheyeledi Motimele	(Department of Health and Rehabilitation Sciences)
Dr David Choveaux	(Faculty of Health Sciences Research Office)
Emeritus Professor Janet Seggie	(South African Medical Journal)
Prof Nico Gey van Pittius	(Stellenbosch University, Faculty of Medicine and Health Sciences)

PROGRAMME

12h30

Welcome - Professor Tania Douglas
(Deputy Dean: Research)

12h45 to 13h45

SESSION ONE

Chair – Dr Virginia Zweigenthal

AUTHOR(S)

TITLE AND SUPERVISOR(S)

Alex Scott	<i>Effects of supplementary anatomy workshops on undergraduate anatomy grade performance. (Prof Del Kahn, Prof Graham Louw)</i>
Smangele Mashele, Matsie Ntatamala, Hlupheka Maluleka, Dylan Walker, Babalwa Potelwa, Tracy Frosler	<i>Effectiveness of medical interventions implemented during ototoxicity monitoring to prevent further deterioration of patient's hearing thresholds. (Dr Lebogang Ramma, Ms Sliva Kuschke)</i>
Kerri-Lee Howell, Camilla Price, Bronwen Smithers, Zainab Davids, Maleekah Terblanche, Jessica Rees- Gibbs	<i>Assessment and Treatment of Performance Components in Occupational Therapy: A Third Year Profile. (Dr Helen Buchanan)</i>
Shane Van der Hoven	<i>Influence of medical curriculum on queer identities (Ms Sarah Crawford-Browne, Dr Alex Muller, Dr Carla Tsampiras)</i>

13h50 to 14h50

SESSION TWO

Chair – Dr Katie Viljoen

AUTHOR(S)	TITLE AND SUPERVISOR(S)
Gugu Dhlomo Tarryn Collings Kendra Wilson	<i>Knowledge, Attitudes and Practices towards Home-Based TB Treatment Support by Community Care Workers in a South African urban informal settlement.</i> (Dr Arne von Delft)
Bronwyn Gavine, Aniefiok Edem, Nathan English, Roxy Govender, Christy Kaiyamo, Odelia Lutchman	<i>Hepatitis E Virus (HEV) in Western Cape, South Africa: A demographic analysis.</i> (Dr Mark Sonderup)
Marchelle Wessels, Ofentse Pule, Rosemary Hanley, Anthenkosi Mbetshu	<i>Determining the health related quality of life and functional impact of usual treatment for women with osteoarthritis at Mitchells Plain Community Health Centre.</i> (Ms Candice Hendricks)
Sarah Bishop, Shelby Childs, Nicola Evans, Caley Coughlan, Nicole Gurney	<i>Caregivers' reports of the occupational engagement of their children with autism spectrum disorder.</i> (Mrs Pam Gretschel, Mrs Tasneem Mohomed)

14h50 to 15h30

POSTER SESSION WITH TEA

A	Lorin Fagan, Tarné Leng, Sesedima Langa	<i>The effect of storage duration and temperature on insulin stability in whole blood and serum (Dr Phillip Fortgens and Dr Fierdoz Omar)</i>
B	Keren Dugmore, Liesel Anker, Nicola Fielding, Gregory Heeger, Tyron Tarpey	<i>The Implementation of Physical Activity in Primary Schools in the Western Cape, South Africa (Mrs Niri Naidoo)</i>
C	Stefan Van der Walt	<i>Construction of 3'-UTR-luciferase reporter vector for microRNAs targets validation in M.tb infected macrophages (Dr Reto Guler)</i>
D	Emma Bergman, Anelisiwe Mntambo, Shannon Stubbs, Matthew Wills	<i>Physical Activity Levels in People with Chronic Pain Compared with Healthy Individuals: A Cross-Sectional Study (A/Prof Romy Parker)</i>
E	Naadiya Waggiet, Robert Cloete, Matthew Dean Alexander, Nana Adofo-Ansong	<i>Knowledge, attitudes and practices related to Implanon use in women of reproductive age within Langa (Mr Wisdom Basera)</i>
F	Nicholas Cotchobos, Amma Boateng	<i>Performance of Adjusted calcium formula against Ionised calcium and a method comparison using serum as an alternative to whole blood to measure Ionised calcium (Dr Fierdoz Omar, Dr Philip Fortgens)</i>
G	Khonje Vanessa, Christy Milligan	<i>Knowledge, Attitudes and Beliefs about Dementia in an Urban Xhosa-Speaking Community in South Africa (Dr Celeste De Jager)</i>
H	Siphelelele Ndevu, Mazothana Pallo, Mike Shikwambana, Mishka Kadir	<i>An Exploration of the Occupations of Learning in a High Quintile School in the Western Cape (A/Prof Roshan Galvan and Mrs Liesl Peters)</i>
I	Jarred Brink, Samantha Grace, Lisa Pritchard	<i>Do taught diaphragmatic breathing exercises influence respiratory muscle activity in adults with chronic obstructive pulmonary disease (COPD)? (A/Prof Brenda Morrow)</i>

J	Ilhaam Esack	<i>Hypertension in adolescents and young adults at a tertiary clinic in Cape Town, South Africa. (Professor Brian Rayner and Dr Pheto Mangena)</i>
K	Stephanie Roche	<i>The Burden of Disease in the Internal Medicine Department at Mitchell's Plain Hospital: A descriptive cross-sectional study (Dr Elma de Vries)</i>
L	Joseph Oliver	<i>A case series of Latarjet procedures done in South African females with respect to clinical outcomes and complication rates (Sir Rob Dachs and Prof Steve Roche)</i>
M	Athira du Toit, Sameenah Hashim	<i>Model Building in Gross Anatomy: The Mediastinum (Prof Graham Louw)</i>
N	Zenzo Chakara, Romy Cohen, Kelsey Fourie, Danielle Gounder, Nyasha Makaruse	<i>Levels of Empathy in Undergraduate students in the Department of Communication Sciences and Disorders at the University of Cape Town. (Mrs Christine Rogers)</i>
O	Helen Worthington-Smith, Lara Brookstein, Zinhle Radebe, Nicole Stewart	<i>The relationship of opioid administration in breast cancer patients following surgery in the acute hospital setting to the development of chronic pain: A pilot study (Dr Delva Shamley)</i>
P	Matt te Water Naude, Ruqaya Gabier, Kelly Sweatman	<i>No limbits! The feasibility of providing low cost 3D printed below the elbow and below the knee limb replacements in a resource limited setting (Dr Mark Roussot)</i>
Q	Niki Machida, Nicole Maharage, Tsepang Sebulele, Shuayb Omar, Olorato Thejane	<i>Lung function and pulmonary tuberculosis in a South African population: an epidemiological cross-sectional study (Mrs Shamila Manie)</i>
R	Sayed Mohamed Dhansay	<i>Geographic predisposition to traumatic death due to interpersonal violence in the Cape Town western and southern metropolis in 2014 (Dr Sipho Mfolozi)</i>
S	So-Mang Kim	<i>Paediatric burn referrals in the Western Cape: A study at the Red Cross Children's Hospital Trauma Centre and Burns Unit(Prof Lee Wallis and (Prof Heinz Rode)</i>

15h35 to 16h35

SESSION THREE

Chair – Dr Waled Hadasha

AUTHOR(S)	TITLE AND SUPERVISOR(S)
Natalie Schenk, Melissa King, Rudi Hoffman	<i>The Evaluation of the impact that donated mobility aids have on Function and Health Related Quality of Life of people with disabilities (Prof Jennifer Jelsma and Mrs Des Scott)</i>
Savannah Senior, Emily Danvers, Aimée de Jager, Natania Esterhuizen, Chané Naidoo, Juliette Reynolds, Amy van der Merwe	<i>Three-year-old children acquiring South African English in Cape Town (Dr Michelle Pascoe, Mrs Jane le Roux and Miss Olebeng Mahura)</i>
Priyanka Naidu	<i>Randomized control trial to assess the use of corticosteroids to treat HIV-associated nephropathy in patients on antiretroviral therapy: An interim analysis (Dr Nicola Wearne)</i>
Jenna Ashcroft, Tessa Becker, Megan Kirsten, Astrid Köstner, Kendra Neethling	<i>Supportive structures for play engagement and social inclusion within an urban park: A Qualitative Descriptive Study (A/Prof Elelwani Ramugondo)</i>

AWARDS & CLOSING

A/Prof Gonda Perez (Deputy Dean Undergraduate Education)
&
Prof Greg Hussey (Dean: Faculty of Health Sciences)

Oral Presentation Prizes:

First prize R 4000
Second prize R 3000
Third prize R 2000

Poster Presentation Prizes:

First prize R 3000
Second prize R 2000
Third prize R 1000

Music items by:

Jazz between friends: Morné Kahts (guitar) and Andrew Hoole (saxophone)

Thank you for attending!

With thanks to:

Organising Committee

Dr Virginia Zweigenthal (Chair)
Prof Tania Douglas
A/Prof Gonda Perez
Ms Carlette Hlungwani
Ms Esmari Taylor
Ms Aphiwe Makalima
Prof Arie Katz
Dr Michelle Pascoe
Ms Elmi Badenhorst
Dr Ayanda Gcelu
Ms Savannah Senior
Mr Jarryd Lunn

Reviewers

Prof Arie Katz
Dr Mashiko Setshedi
Ms Elmi Badenhorst
Dr Geney Gunston
Dr Alex Muller
Dr Ayanda Gcelu
Ms Amshuda Sondag

Chairs

Dr Virginia Zweigenthal
Dr Waled Hadasha
Dr Katie Viljoen

