



UNIVERSITY OF CAPE TOWN
IYUNIVESITHI YASEKAPA • UNIVERSITEIT VAN KAAPSTAD

2017 Postgraduate Research Day
of the
Department of Human Biology,
Department of Integrative Biomedical Sciences, and
Department of Pathology

Programme

27 September 2017
New Learning Centre
Faculty of Health Sciences

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08h00 Registration

- Watch the Research Day live on Adobe Connect: <http://meeting.uct.ac.za/r1zyh0lt4iz/> -

09h00 – 09h30 Opening Session

09h00 **Welcome**
A/Prof T Franz & Dr. Y Albertus

09h05 **Keynote Address**
Dr. T Maitin
Research Capacity Development
South African Medical Research Council

09h30 – 10h45 **SESSION 1**

Chairs: Dr. G Gunston & Dr. A Koch

09h30 **R Henst**
Sleep habits and cardio-metabolic risk factors in obese South Africans.

09h45 **C Ingram**
Perceptions of Health-Related Quality of Life among Adults living with Sickle Cell Disease in Cape Town, South Africa

10h00 **MN Shipanga**
Effects of bclaf1 knockdown in tumourigenesis

10h15 **J Bleloch**
A high throughput screen to identify FDA-approved drugs that target the oncogenic tbx2 and tbx3 for anti-cancer activity

10h30 **B Speed**
What happens to a body when it decomposes in the ocean?

10h45 – 11h15 **BREAK / POSTER SESSION 1**

11h15 – 12h15 **SESSION 2**

Chairs: Dr. M du Plessis & Dr. L Arendse

11h15 **M Malope**
Exploring the decision-making process of women offered termination of pregnancy for a serious congenital abnormality.

11h30 **SC Biffen**
Reductions in Corpus Callosum Volume Partially Mediate Effects of Prenatal Alcohol Exposure on IQ

11h45 **FAN Biteghe**
An investigation into the synergistic action of chemotherapy and photodynamic therapy in chemoresistant melanoma cells

12h00 **RJ Burman**
The role of excitatory gabaergic signalling on benzodiazepine efficacy during prolonged seizure states

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12h15 – 13h15 LUNCH / POSTER SESSION 2

13h15 – 14h15 SESSION 3 Chairs: Dr. N Da Cruz Soares & Dr. S Mowla

- 13h15 E Kruse**
Mathematical Modelling of Early Stage Engulfment of HIV into Host Cells
- 13h30 A Neumann**
The repurposing of anti-malarial compounds for anticancer activity in breast cancer
- 13h45 TS Mafu**
Associations between angiogenesis associated candidate genes and shoulder pain and dysfunction after breast cancer treatment in a South African coloured population
- 14h00 A Ajayi Smith**
Novel nuclear transport inhibitor with anti-cancer activity

14h15 – 14h45 BREAK / POSTER SESSION 3

14h45 – 15h45 SESSION 4 Chairs: Dr. L Hatfield & Dr. M Rahim

- 14h45 RI Manenzhe**
Characterizing antibiotic-resistant pneumococci in the nasopharynx of healthy South African infants using shotgun sequencing and conventional typing
- 15h00 M Rodo**
Grouping and Characterising Tuberculosis Vaccine Candidates based on Induced Immune Response
- 15h15 C Mpande**
Functional, antigen-specific stem cell-like memory (tscm) cd4+ t cells are induced by human m. Tuberculosis infection
- 15h30 TJ de Wet**
Knocked down and out: A Comprehensive CRISPRi Library targeting M. smegmatis genes with M.tuberculosis homologues

16h00 COCKTAIL FUNCTION AND PRIZE GIVING

Organising Committee

A/Prof Tom Franz (Co-Chair)
Dr Yumna Albertus (Co-Chair)
Dr Dee Blackhurst
Dr Jill Fortuin
Dr Victoria Gibbon
Dr Marise Heyns

Prof Arie Katz
Dr Nancy Laguette
Dr Mandy Mason
Dr Kilaza Mwaikono
Dr Pauline van der Watt