

**DEPARTMENT OF MEDICINE
41ST ANNUAL RESEARCH DAY
Date: 09 OCTOBER 2014**

VENUE: LECTURE THEATRE II, NEW GROOTE SCHUUR HOSPITAL

SESSION I

08:00 -10:00

HIGHLIGHTS FROM 10 RESEARCH UNITS/DIVISIONS

Chairperson: Prof Dinky Levitt

08:00 – 08:12

Tom Boyles (Infectious Diseases)

False positive Xpert[®] MTB/RIF assays in previously treated patients: A cause for caution in interpreting results

08:12 – 08:24

Lara Fairall (Endocrinology)

Effectiveness of task-sharing between doctors and nurses on outcomes of non-communicable chronic disease management in primary care in South Africa: pragmatic cluster randomised controlled trial

08:24 – 08:36

Jashira Naidoo (Nephrology)

Rapidly Progressive Glomerulonephritis (RPGN) in Cape Town: What has happened in the last 40 Years?

08:36 – 08:48

Mark Sonderup (Hepatology)

Characteristics of Efavirenz Drug Induced Liver Injury - a cohort analysis

08:48 – 09:00

Tolu Oni (Public Health & Family Medicine)

Patterns of HIV, TB, and non-communicable disease multi-morbidity in peri-urban South Africa

09:00 – 09:12

Carol Hlela (Dermatology)

Mapping the epidemiology of human T cell lymphotropic virus type 1 (HTLV-1) infection in South Africa-the forgotten epidemic

09:12 – 09:24

Hannes Mouton (Pharmacology)

Mortality from adverse drug reactions in adult medical inpatients at four hospitals in South Africa

09:24 – 09:36

Stella Botha (Rheumatology)

Do patients with Rheumatoid Arthritis without exposure to biological therapy have an increased risk for tuberculosis and what are the effects of DMARD therapies?

09:36 – 09:48

Gerald Maarman (Cardiology)

Cardioprotective effect of melatonin on cardiac function and oxidative status in pulmonary arterial hypertension

09:48 – 10:00

Melissa Nel (Neurology)

Association of transforming growth factor beta 1 (TGFB1) promoter polymorphisms with myasthenia gravis related ophthalmoplegia

10:00 – 10:20

TEA/COFFEE WITH POSTER MODERATION

SESSION II

10:20 – 11:20

HOT RESEARCH ON THE BENCHSIDE

Chairperson: Prof Vanessa Burch

10:20 – 10:32

Katalin Wilkinson (Infectious Diseases)

Cytotoxic mediators in paradoxical HIV-tuberculosis immune reconstitution inflammatory syndrome

10:32 – 10:44

Boitumelo Fanampe (Pulmonology)

Characterization of aptamer-based probes and the development of an electrochemical biosensor: Potential TB diagnostic tools

10:44 – 10:56

Anil Pooran (Pulmonology)

The role of IL4 and Th2-like cytokines in pulmonary tuberculosis

10:56 – 11:08

Naomi Walker (Infectious Diseases)

Invariant Natural Killer T cells in paradoxical TB-immune reconstitution inflammatory syndrome

11:08 - 11:20

Armin Deffur (Infectious Diseases)

Association Network Integration for Multiplexed Assays

SESSION III

11:20 – 12:32

HOT RESEARCH ON THE BEDSIDE

Chairperson: Dr Sebastiana Kalula

11:20 – 11:32

Liezl Dunn (Infectious Diseases)

Outcomes on antiretroviral therapy salvage regimens in the Southern African private sector

11:32 – 11:44

David Stead (General Medicine)

High levels of tuberculosis-IRIS characterise intracranial mass lesions in HIV-infected patients at Groote Schuur hospital

11:44 – 11:56

Liezel Smith (Pulmonology)

Investigating transmission and infectiousness of patients with drug-resistant tuberculosis

11:56 – 12:08

Elizabeth Pietersen (Pulmonology)

Long-term outcomes of patients with extensively drug-resistant tb in South Africa – a cohort study

12:08 – 12:20

Greg Calligaro (Pulmonology)

Accuracy and impact of Xpert MTB/RIF on tracheal aspirates for the diagnosis of tuberculosis in South African intensive care units

12:20 – 12:32

Richard Court (Pharmacology)

Short term adherence tool predicts failure on second line protease inhibitor-based antiretroviral therapy

12:32 – 13:30 **LUNCH AND FORUM FOR THE RISING STARS (POSTERS PRESENTATION)**
Chairperson: Prof Mpiko Ntsekhe

SESSION IV

13:30 – 14:00 **JACK BROCK LECTURE 2014**
Chairperson: Prof Karen Sliwa (Introduction)

13:35 – 14:00 **Speaker: Professor Glenda Gray, MRC President**
Title: "HIV Vaccine Research: Perspectives from a Clinical Researcher"

SESSION V

14:00 – 15:00 **FOCUS ON GRADUATES OF 2014**
Chairperson: Professor Sandrine Lecour

14:00 – 14:10 **Video introduction of the graduates**

14:10 – 14:22 **Suzaan Marais:** HIV-associated tuberculosis meningitis

14:22 – 14:34 **Ntobeko Ntusi:** Cardiovascular magnetic resonance to study disease mechanism in systemic (autoimmune) rheumatic diseases

14:34 – 14:46 **Gaurang Deshpande:** Testing metabolic and pharmacological agents for recovery against de novo acute heart failure

14:46 – 14:58 **Katherine Antel:** Role of splenectomy for immune thrombocytopenia (ITP) in the current era and in a setting of high prevalence of HIV-associated ITP

SESSION VI

15:00 – 16:00 **THE RED CARPET**
Chairperson: Professor Krisela Steyn

15:00 – 15:20 **Prof K Dheda** introduced by Dr Grant Theron: "new discoveries on tuberculosis specific biomarkers"

15:20 – 15:40 **Prof N Khumalo** introduced by Dr Jennifer Van Wyk: "Formaldehyde in hair-straightening products"

15:40 – 16:00 **Dr D Blom** introduced by Dr Karen Wolmarans: "Cholesterol lowering: from small molecules to monoclonal antibody"

16:00 – 16:20 **TEA/COFFEE**

SESSION VII

16:20 – 17:05 **Thirty sixth Annual Bernard Pimstone Memorial Lecture**
Chairperson: Professor Wendy Spearman

Speaker: Prof Valerie Mizrahi, Director of the Institute of IIDMM, UCT

Title: "Tuberculosis drug development: lessons learned and future prospects"

17:05 **Closing remarks - Prof Bongani Mayosi**

SESSION VIII
17:05

**DEPARTMENTAL COCKTAIL PARTY AND AWARD CEREMONY
(TAFELBERG CONFERENCE ROOM)**

Chairperson: Prof Karen Sliwa

Bernard Pimstone Prize for Laboratory Research

Department of Medicine Prize for Clinical Research

Best Poster presentation

Department of Medicine Best Publication Award

SAMJ/Department of Medicine Ralph Kirsch Golden Pen Award