

Amended Programme



FACULTY OF HEALTH SCIENCES UCT

Department of Clinical Laboratory Sciences
Department of Human Biology
(incorporating members of the IIDMM)



POSTGRADUATE RESEARCH DAY

**2 September 2015
Lecture Theatre, Learning Centre
Anatomy Building**

PROGRAM

08h00 Registration

09h00 – 10h45 **SESSION 1** Chair:

09h00 **Opening and welcome**

09h30 **Shima Abdulgader**
Nasopharyngeal carriage with staphylococcus aureus in children during the first six months- the drakenstein child health study. **A1**

09h45 **Jenna Bleloch**
Investigating novel binuclear palladacycle complexes for anti-cancer activity in rhabdomyosarcoma cells. **A2**

10h00 **Michael Reiche**
Visualizing the mycobacterial mutasome. **A3**

10h15 **Courtnee Clark**
Patterns of blunt force homicide in the Cape Metropole, South Africa. **A4**

10h30 **Mumin Ozturk**
Unvisited players of eicosanoid pathway in mycobacterium tuberculosis infection: cysteinyl leukotrienes. **A5**

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

11h15 – 12h15 **SESSION 2** Chair:

11h15 **Marlie Greeff**
The descriptive anatomy of the human intraparietal sulcus in a Southern African cadaver sample. **A6**

11h30 **Emmanuel Nwosu**
Effects of HIV/ART on cortical folding, regional and total brain volume of children at age 7. **A7**

11h45 **Lizelle Lubbe**
The influence of angiotensin converting enzyme mutations on the kinetics and dynamics of n-domain selective inhibition. **A8**

12h00 **Petra Schwab**
A four-year retrospective study of fire related fatalities at the Salt River Forensic Pathology Laboratory, Cape Town, South Africa (2011 – 2014). **A9**

12h15 – 13h15 **LUNCH / POSTER SESSION**

13h15 – 14h15 SESSION 3

Chair:

- 13h15 Tarryn Willmer**
The transcription factor *tbx3* is a promising biomarker for early diagnosis and targeted therapy for a diverse range of sarcoma subtypes. **A10**
- 13h30 Tamara Stelma**
Kpnb1-mediated nuclear import is required for inflammatory cytokine expression by cervical cancer cells. **A11**
- 13h45 Wian van den Bergh**
Combined electrospinning/spraying for high porosity tissue regenerative scaffolds with concurrent drug delivery. **A12**
- 14h00 Danica Smuts**
The role of *tbx3* in rhabdomyosarcoma. **A13**

14h15 – 14h30 BREAK / POSTER SESSION

14h30 – 15h30 SESSION 4

Chair:

- 14h30 Yonas T Ghebrekristos**
Characterization of *mycobacterium tuberculosis* complex isolates with discordant rifampicin susceptibility test results detected in a routine TB laboratory in Cape Town. **A14**
- 14h45 Anelisa Jaca**
The expression levels of miRNA-21 and epithelial mesenchymal transition (EMT) proteins in colorectal cancer. **A15**
- 15h00 Francesca Du Toit**
Circulus arteriosus cerebri: anatomical variations and their correlation to cerebral aneurysms. **A16**
- 15h15 Ramla F. Tanko**
Restoration of b cell phenotype and function on ART during chronic HIV infection

15h30 COCKTAIL FUNCTION AND PRIZE GIVING

Posters

P1	Shameemah Abrahams , ⁽¹⁾ Sarah Mc Fie, ⁽¹⁾ Jon Patricios, ^(2,3) Jason Suter, ⁽⁴⁾ Michael Posthumus, ⁽¹⁾ Alison V September An association between variants within the apoe gene and concussion profile: a preliminary investigation.
P2	Henry Adeola ^{a,b} , Juliano Pაცეზ ^a , Lisa Kaestner ^c , Nelson Soares ^b , Jonathan Blackburn ^b , Luiz Zerbini ^{a,b} Urinary proteomics for prostate cancer biomarker discovery in a South African cohort.
P3	Afolake Arowolo ^a , Bongani Mayosi ^b and Edward Sturrock ^a The expression and characterisation of a putative serine protease fam 111b
P4	GW Cooper ^a , S Prince ^b , AA Katz ^a Investigating the effects of seminal fluid on tbx2 and tbx3 expression in cervical cancers.
P5	Cherise Dunn ¹ , E.D. Sturrock ¹ and V.D. Leaner ¹ The role of the renin angiotensin system in cancer.
P6	JD Glenday ^a , S Roche ^b , S Sivarasu ^a Investigations towards a modified reverse total shoulder arthroplasty prosthesis to reduce deltoid fatigue and scapular notching.
P7	Samuel Kariuki (a,b). Kevin Rebe (c,d). Jeffrey Dorfman (a,b) Compartmentalization of seminal and blood hiv-1 with regard to neutralization sensitivity to autologous antibodies.
P8	Lindiwe Lamola ¹ , Alvera Vorster ¹ , Morne du Plessis ¹ , Ursula Algar ² , Paul Goldberg ² , Karen Fieggen ¹ , Helen Wainwright ³ , Raj Ramesar ¹ Identification of genetic features underlying a rare childhood cancer syndrome: constitutional mismatch repair deficiency (cmmr-d) syndrome.
P9	Kamogelo Lebeko ¹ , Jean Jacques N. Noubiap ² , Collet Dandara ¹ , Richard Smith ³ , Ambroise Wonkam ¹ Prevalence of eight novel mutations identified by targeted exome sequencing amongst a cohort of autosomal receive non-syndromic hearing loss patients from Cameroon.
P10	Naidoo H ¹ , Simonds H ² , Ramesar R ¹ Risking cardiac failure to cure cancer: identifying the risk factors for adverse drug events.
P11	V Naidoo ^a , DM Lang ^a , EL van der Merwe ^a Addressing the challenges of multi-immunofluorescence deep tissue imaging.
P12	Gift Pule ¹ , Shaheen Mowla ² , Nicholas Novitzky ² , Ambroise Wonkam ¹ Hydroxyurea induces γ -globin expression through micrnas-mediated actions in human hematopoietic and k562 cells.
P13	M Rahim ^a , L El Khoury ^b , S Raleigh ^b , WJ Ribbans ^b , M Posthumus ^a , M Collins AV September ^a Investigation of angiogenesis-associated genes with risk of achilles tendon pathology.
P14	Tarryn Shaw ^a , Dr Tina-Marié Wessels ^a , Leana Olivier ; Ms Chanelle Lombard (FARR researcher) ^b Exploring comprehension, feelings and perceived needs of mothers in an alcohol prevention program, and the degree to which this may contribute toward potential prevention and management of fetal alcohol spectrum disorders.
P15	K van Niekerk ^a , A Wonkam ^a , N Laing ^a , J de Vries ^b Knowledge and experiences of parents with children affected by sickle cell

	disease in Cape Town.
P16	Sanne Colijn^a , M. Brouwers, Dr. S. Maistry ^b , Prof. R. Ramesar ^a A pilot investigation of genotyping specific variants in the <i>slc6a3</i> , <i>htr1b</i> , <i>bdnf</i> , <i>tph2</i> and <i>creb1</i> genes, within the western cape, South Africa, in a cohort with mood disorders and suicide ideation.
P17	A Gibbon^a , M Posthumus ^a , SM Raleigh ^b , H Hobbs ^a , W van de Merwe ^a , M Collins ^a , AV September ^a Variants of the matrix metalloproteinase-3 gene are not associated with the risk of anterior cruciate ligament ruptures.
P18	Petra Schwab , S. Maistry A case report of death due to lightning in Cape Town, South Africa
P19	Pumza Magangane¹ , Raveendra Sookhayi ¹ , Richard Naidoo ¹ A maldi imaging mass spectrometry analysis of hiv and non hiv related diffuse large b cell lymphoma.
P20	Felix S. Dube¹ , Jordache Ramjith ³ , Sugnet Lubbe ² , Lourens Robberts ¹ , Nicole Wolter ^{7,8} , Suzan P. Van Mens ⁶ , Heather J. Zar ⁵ , Mark P. Nicol ^{1,4} <i>Streptococcus pneumoniae</i> nasopharyngeal colonization, serotype distribution and Impact of vaccination during the first year of life: A South African birth cohort study.
P21	J-M Buys¹ , M Nel ² , E Muller ³ , N Wearne ⁴ , S Prince ¹ , JM Heckmann ² Investigating the functional role of african-specific <i>tgfb1</i> promoter variants and its role in HIV-associated kidney complications.