Department of Medicine

RESEARCH DAY PROGRAMME
Thursday, 20 September 2007
Lecture Theatre II, New GSH

08:00 – 08:10  Welcome:  Professor Kit Vaughan

Session I  Chairperson:  Prof. Gary Maartens

08:10 – 08:22  Corrigall AV*, Boateng M, Eastoe V, Meissner PN
MRC/UCT Liver Research Centre, Dept. of Medicine, University of Cape Town
“Kinetic characterization of Myxococcus xanthus protoporphyrinogen oxidase by
mutational alteration of residues at the active site”

08:22 – 08:34  Nachega JB, Hislop M, Dowdy DW, Gallant JE, Chaisson R E, Regensberg L, Navvartens G*
Division of Pharmacology, Dept of Medicine, University of Cape Town
“Effectiveness of Efavirenz- versus Nevirapine-based Regimens for Initial
Antiretroviral Therapy in HIV-infected Adults”

08:34 – 08:46  van der Walt JS*, Savic RM, Karlsson MO
Division of Pharmacology, Dept of Medicine, University of Cape Town
“Nonlinear mixed effect models for lamivudine and zidovudine in healthy male
volunteers”

GF Jooste Hospital HIV Services, Dept of Medicine, University of Cape Town
“MDR-TB, TB-IRIS and ESBLs – time bombs in a high HIV prevalent setting in
Cape Town”

A*, Dawson R, Ress S, Bateman ED, Dheda K.Lung Infection and Immunity Unit,
CTBRI, Division of Pulmonology, Department of Medicine, UCT; HLC, Utrecht,
Holland, UCL,London, UK.
“Feasibility and outcomes of diagnostic tests for tuberculous pleural effusions.”

09:10 – 09:22  Rayner BL*
Division of Hypertension, University of Cape Town
“Acute saline loading in lean young black and white subjects”

Division of Nephrology, Dept of Medicine, University of Cape Town
“Lep a19g polymorphism is associated with kidney disease in black africans”

09:34 – 09:46  Peer N*, Steyn K, Dennison C, Levitt N, Nyo T, Commerford P, Nel H, Hill M.
Division of Endocrinology, Dept of Medicine, University of Cape Town
“The Prevalence and Determinants of Target Organ Damage in Black Hypertensive
Patients Using Primary Healthcare Services in Cape Town: The Hi-Hi Study”

09:46 – 09:58  Wolske J*, van Veen K, Syed F, Russell J, Tibazarwa K, Ntsekhe M, Mayosi BM,
Wilkinson RJ, Wilkinson KA
Dept Medicine and IIDMM, UCT; Imperial College and NIMR, London.
“Relationship between pro-inflammatory interferon-γ level and disease severity in
pericardial tuberculosi”
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Division of Cardiology, Dept Medicine and IIDMM, UCT; Imperial College and NIMR, London.
“T cell activation and the immunopathogenesis of pericardial tuberculosis”

10:10 – 10:24 Scholz UB*, Acknowledgement: Levin E, Maartens G
Division of Gastroenterology, Dept of Medicine, University of Cape Town
“Patient profile of tuberculosis patients with abdominal ultrasound features of tuberculosis”

10:25 – 10:55 TEA

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Session II Chairperson: Prof. Gillian Ainslie

11:00 – 11:12 Schutz C*, Stead D, Rebe K, Osler M, Boulle A, Meintjes G
Division of Infectious Diseases, GF Jooste Hospital, Dept of Medicine, University of Cape Town
“Trends in the presentation and mortality of severe hyperlactataemia at a public sector referral hospital in Cape Town”

Division of Pharmacology, Dept of Medicine, University of Cape Town
“Cohort study of the safety and efficacy of colistin for multi-drug resistant Acinetobacter baumannii infections”

11:24 – 11:36 Nderu MW*, Smuts H, Hairwadzi HN, Spearman WCN
MRC-UCT Liver Research Centre, Groote Schuur Hospital and Medical Virology, UCT
“Hepatitis B virus(HBV) genotypes and clinical correlations at groote schuur hospital: a preliminary report”

Neuroscience Research Group & Division of Human Cell Biology, UCT
“A polymorphism in the DAF promoter may be a susceptibility factor to developing severe treatment-resistant ocular muscle involvement in Myasthenia Gravis”

11:48 – 12:00 Adam T*, Essop MF.
Hatter Institute for Cardiology Research, University of Cape Town and Department of Physiological Sciences, Stellenbosch University
“Nuclear Respiratory Factor 1: A Novel Inhibitor of the Human Gene Promoter of the Cardiac Isoform of Acetyl-Coenzyme A Carboxylase”

12:00 – 12:12 Dave JA*, May WA, Freercks R and Levitt NS.
Division of Diabetic Medicine and Endocrinology, Groote Schuur Hospital, Cape Town
“Prevalence of hyperglycemia in non-diabetic patients presenting with an acute stroke”

12:12 – 12:24 George DJ*, Epstein D, Watermeyer G, Levin D
Division of Gastroenterology, Dept of Medicine, University of Cape Town
“Colectomy for Ulcerative Colitis: Inflammatory Bowel Disease Clinic Audit at Groote Schuur Hospital, Cape Town”
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<thead>
<tr>
<th>Time</th>
<th>Speaker</th>
<th>Affiliation</th>
<th>Title</th>
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<tbody>
<tr>
<td>12:24 – 12:36</td>
<td>Levin DA*, Epstein DP¹, Watermeyer GA¹, Sethsedi M¹, Metz DC². ¹Gastroenterology Clinic, UCT and Groote Schuur Hospital, ²Dept of Medicine, Div.Gastroenterology, Univ. of Pennsylvania School of Medicine</td>
<td>“Outcome of patients with high risk bleeding peptic ulcer disease undergoing endoscopic intervention at Groote Schuur Hospital”</td>
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<td>12:36 – 12:48</td>
<td>Jones ESW*, Owen EP, Isaacs S, Rayner BL</td>
<td>Division of Hypertension, Dept of Medicine, University of Cape Town</td>
<td>“The R563Q Mutation is common in Hypertensives in South Africa”</td>
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<td>12:48 – 13:00</td>
<td>Opie LH*</td>
<td>Hatter Cardiovascular Research Institute, Department of Medicine</td>
<td>“Free fatty acid metabolism in Idiopathic dilated cardiomyopathy”</td>
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<td>13:00 – 14:00</td>
<td>LUNCH</td>
<td>RESEARCH DAY PROGRAMME - 2007</td>
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<td>14:00 – 14:12</td>
<td>Seldon R*, Meintjes G, Mouton P, Hanekom WA, Wilkinson RJ, Wilkinson KA</td>
<td>Faculty of Health Sciences, IIDMM, University of Cape Town</td>
<td>“Phenotypic analysis of M.tuberculosis specific immune restoraration during highly active antiretroviral treatment”</td>
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<td>14:12 – 14:24</td>
<td>Watkins MLV*, Semple PL, Hanekom W, Kaplan G and Ress SR.</td>
<td>Division of Clinical Immunology, IIDMM, UCT and PHRI, University of Medicine and Dentistry of New Jersey</td>
<td>“The innate immune response to BCG in the cord blood of newborns in a high tuberculosis prevalence community”</td>
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<td>14:24 – 14:36</td>
<td>Sonderup MW*, Wainwright H, Hairwadzi H and Spearman CWN</td>
<td>MRC/UCT Liver Research Centre, Dept of Medicine, University of Cape Town</td>
<td>“A cross sectional analysis of Hepatitis C at the GSH/UCT Liver Clinic”</td>
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<td>14:48 – 15:00</td>
<td>Hammond R, Petersen S, Vilakazi S*, Raubenheimer P</td>
<td>Division of General Internal Medicine, Victoria Hospital</td>
<td>“Judging a book by its cover: descriptive survey of patients’ preferences for doctors’ appearance and mode of address”</td>
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<td>15:00 – 15:12</td>
<td>Mehta U, Osler M, Durrheim D, Cohen K, Kredo T*, Boulle A, Maartens G</td>
<td>Division of Pharmacology, Dept of Medicine, University of Cape Town</td>
<td>“Design and outcomes of an antiretroviral pharmacovigilance programme in South Africa”</td>
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*Hatter Cardiovascular Research Institute, Dept of Medicine, University of Cape Town  
“Critical role of Age, Strain, and Number of cycles in Ischaemic 
Postconditioning”

Division of Endocrinology, Dept of Medicine, University of Cape Town  
“Evaluation health care for patients with hypertension and diabetes at public 
sector Community Health Centres (CHC) of the Cape Peninsula.  II health care 
provider related influences”

15:48 – 16:00  de Villiers L*, Kalula S, Burch V, Bryer A, Ferreira M  
Division of Geriatric Medicine, Dept of Medicine, University of Cape Town  
“The causes of stroke, risk factor profiles and compliance with secondary 
prevention strategies in an urban South African population”

16:00 – 16:15  TEA

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Session IV  Chairperson: Prof. Lionel Opie

16:20 - 17:05  Twenty Ninth Annual Bernard Pimstone Memorial Lecture  
“Personalising Medicine: a proteomic dream or real prospect?”

PROFESSOR JONATHAN BLACKBURN  
Research Director of the Centre for Proteomic & Genomic 
Research (CPGR), University of Cape Town

17:15 – 17:30  Presentation of the Bernard Pimstone Prize for Laboratory 
Research  
Presentation of the Department of Medicine Prize for Clinical 
Research  
Closing Remarks – Prof. Bongani Mayosi

17:30  CHEESE AND WINE