GENERAL INFORMATION

Head: Prof R S Summers
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Fax: +27 12 521 3992
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PERSONNEL INVOLVED IN RESEARCH

<table>
<thead>
<tr>
<th>Name</th>
<th>Position</th>
<th>Qualifications</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ms S Bezuidenhout</td>
<td>Snr Lec (joint with Virology)</td>
<td>MTech (Virology)</td>
</tr>
<tr>
<td>Mrs L Brown</td>
<td>Snr Lec</td>
<td>MSc (Pharm)</td>
</tr>
<tr>
<td>Dr S Fourie</td>
<td>Snr Lec (joint with Pharmacology)</td>
<td>PhD</td>
</tr>
<tr>
<td>Prof AGS Gous</td>
<td>Snr Lec/Snr Clinical Pharmacist</td>
<td>PharmD</td>
</tr>
<tr>
<td>Mrs C Hanson</td>
<td>Lecturer (joint with Pharmacology)</td>
<td>BSc (Hons) (Pharmacology)</td>
</tr>
<tr>
<td>Ms M Leteka</td>
<td>Lec/Clinical Pharmacist</td>
<td>BPharm</td>
</tr>
<tr>
<td>Mrs LA Mabope</td>
<td>Snr Med Nat Sci</td>
<td>M Biochemistry</td>
</tr>
<tr>
<td>Dr S Mashele</td>
<td>Snr Lec (joint with Physiology)</td>
<td>PhD</td>
</tr>
<tr>
<td>Mrs JC Meyer</td>
<td>BPharm Course Coordinator/Snr Lect</td>
<td>MSc (Med)</td>
</tr>
<tr>
<td>Ms M Mothibe</td>
<td>Med Nat Sci</td>
<td>BSc (Hons) (Pharmacology)</td>
</tr>
<tr>
<td>Mr E Pochee</td>
<td>Snr Lec (joint with Med Microbiology)</td>
<td>MSc, Dip Med Micro (LSHTM)</td>
</tr>
<tr>
<td>Prof RS Summers</td>
<td>Professor and Head</td>
<td>PhD</td>
</tr>
<tr>
<td>Dr B Summers</td>
<td>Snr Lec (part-time)</td>
<td>PhD</td>
</tr>
<tr>
<td>Mrs M Zweygarth</td>
<td>Document specialist</td>
<td>Dip Translation (Zurich)</td>
</tr>
</tbody>
</table>

Joint Staff – Mpumalanga

Mrs M Graham
Chief Pharmacist/Lecturer, Witbank Hospital
BPharm

EXPERTISE AREAS AND RESEARCH FIELDS

Mrs S Bezuidenhout
HIV virology
HIV virology

Mrs L Brown
Drug transport studies using Caco-2 transepithelial cells/Pharmaceutics

Dr S Fourie
Assessment in problem-based learning pharmacy education

Prof AGS Gous
Clinical pharmacy/pharmaceutical care

Mrs C Hanson
The monitoring of hydroxyzine prescribing and usage patterns at Ga-Rankuwa Hospital

Mrs M Graham
Antibiotic usage/legalities of prescriptions

Ms M Leteka
The impact of pharmaceutical care on therapeutic outcomes in chronic kidney disease

Mrs LA Mabope
Selection, admission and counselling of students.

Dr S Mashele
Mechanisms of biological calcification of tissue

Mrs JC Meyer
Research Methodology and indicator studies.

Mrs M Mothibe
Pharmacy education: Assessment methods in quality assurance.

Identification and characterization of combretastatins purified from *Combretum woodii*
Mr E Pochee  Microbial resistance / STDs
Dr B Summers  Ultraviolet photobiology / clinical study coordination
Prof RS Summers  Health systems and pharmaceutical services / pharmacoeconomics
Mrs M Zweygarth  Operational research / Biostatistics

ONGOING RESEARCH PROJECTS

The determination of sun protection factors for sunscreen preparations
[MT6/90]
Researcher: B Summers

The induction and evaluation of skin dryness and remoisturising
[MT45/90]
Researcher: B Summers

Determination of skin irritancy potential of topically applied products
[MT13/92]
Researcher: B Summers

Pseudofolliculitis barbae: occurrence and treatment in black males
[MPR 55/95]
Researcher: B Summers

Characterisation of skin pigmentation by visual, qualitative and quantitative analysis
[MR65/97]
Researcher: B Summers

Ophthalmic irritancy potential of a "non-sting" topical product
[MR08/99]
Researcher: B Summers

The effect of skin lighteners (with and without ultraviolet light) on skin tone
[MC87/2000]
Researcher: B Summers

The evaluation of hair breakage after relaxer treatment
[MC130/2003]
Researcher: B Summers

The impact of educational intervention on the prescribing pattern of a selected antimicrobial agent
[MP133/99]
Researcher: AGS Gous

Pharmacokinetics of fluconazole in AIDS patients [MP60/2001]
Researcher: M Paterson

Gentamicin in post caesarean section patients [MP49/2001]
Researcher: D Vengadejellum

The effect of the selection, orientation and induction processes on the academic outcome of BPharm students of MEDUNSA-Technikon Pretoria [MP117/2001]
Researcher: LA Mabope

Drug use at Ga-Rankuwa Hospital Intensive Care Unit [MP45/2002]
Researcher: L Mokhadi
Drug-related hospital admissions in the elderly at Casualty Department of Pretoria Academic Hospital [MP5/2002]  
Researcher: JO Famikin

Comparison of conventional total parenteral nutrition versus glutamine-supplement total parenteral nutrition on the influence of cost, morbidity and mortality in critically ill patients at Chris Hani Baragwanath Hospital [MP4/2002]  
Researcher: L D'Amico

Completed in 2005

Antimicrobial use and the influence of an intervention programme on the usage patterns in the adult wards of Witbank Hospital [MP108/2002]  
Researcher: M Graham

The evaluation of the impact of interventions based on an antimicrobial resistance and the use of a surveillance programme [MR119/2002]  
Researcher: AGS Gous

The effectiveness of pharmacist's intervention in the treatment of patients with hypertension and diabetes mellitus at Kalafong Hospital [MP45/2003]  
Researcher: SJ Ferreira

The monitoring of hydroxyzine prescribing usage patterns in Ga-Rankuwa Hospital [MP108/2003]  
Researcher: C Hanson

The impact of pharmacist interventions in a medical ward at Polokwane Hospital [MP26/2003]  
Researcher: A Ghoor

The impact of pharmaceutical care on therapeutic outcomes in chronic kidney disease [MP65/2003]  
Researcher: M Leteka

Completed in 2005

A description of the knowledge, understanding and outcome of disease management in diabetic patients in dedicated, semi-dedicated and non-dedicated institutions [MP137/2003]  
Researcher: MK Mlati

Evaluation of directly observed treatment short-course programme at Good Shepherd Hospital, Siteki, Swaziland [MP46/2003]  
Researcher: BR Oyewumi

Methylphenidate prescribing patterns in a retail pharmacy group in Tshwane [MP138/2003]  
Researcher: A Van Jaarsveld

Antiretroviral drug transport across intestinal epithelial cells: Influence of tuberculosis and traditional medicines [MP151/2003]  
Researcher: L Brown

HIV/AIDS education and training for undergraduate BPharm students at the MEDUNSA/Technikon Pretoria Schools of Pharmacy [MP154/2003]  
Researcher: S Bezuidenhout

The effectiveness of insulin sensitisers in achieving improved glycaemic control in type II diabetes [MP119/2004]  
Researcher: S Joshi
Pre-registration evaluation for pharmacists: Help or hindrance in quality assurance? [MP23/2004]
Researcher: JC Meyer

Evaluation of surgical prophylactic use of antibiotics in the main theatre of Windhoek Central Hospital [MP118/2004]
Researcher: JK Rushibiza

The effect of pharmaceutical care on antimicrobial prescribing patterns, cost and resistance at Ga-Rankuwa Hospital [MP12/2004]
Researcher: M Tlali

A phase III, open, randomised, controlled primary vaccination study to demonstrate the non-inferiority of GlaxoSmithKline (GSK) Biologicals’ Hb-MenAC vaccine when mixed extemporaneously and given as a single injection with GSK Biologicals’ Tritanrix™ – HepB vaccine as compared to Tritanrix™ - HepB/Hiberix™ with respect to the immunogenicity of the hepatitis B antigen, when administered to healthy infants at 6, 10 and 14 weeks of age after a birth dose of hepatitis B vaccine [MC46/2004]
Researcher: RS Summers

A qualitative study to describe the experiences, feelings, knowledge, attitudes and perceived problems of adult institutionalised epileptic patients [MP11/2005]
Researcher: Helberg E

The impact of pharmaceutical care interventions on cardiovascular patients at Dr George Mukhari Hospital [MP54/2005]
Researcher: Baaisi TK

Quantification of antiretroviral regimen adherence in selected treatment centres in South Africa [MP57/2005]
Researcher: Mapetla K

Determinants of adherence to antiretrovirals in selected treatment centres in South Africa [MP58/2005]
Researcher: Meyer JC

ARTICLES IN SUBSIDISED JOURNALS, INCLUDING CASE-REPORTS, LETTERS AND ABSTRACTS PUBLISHED IN JOURNALS


ARTICLES IN NON-SUBSIDISED JOURNALS, INCLUDING CASE-REPORTS, LETTERS AND ABSTRACTS PUBLISHED IN JOURNALS

BOOKS, CHAPTERS IN BOOKS AND PUBLISHED CONFERENCE PROCEEDINGS

Wiedenmayer KA (Swiss Centre for International Health, Swiss Tropical Institute, Basel, Switzerland); Summers RS (School of Pharmacy, University of Limpopo, MEDUNSA Campus, South Africa); Mackie CA (Medway School of Pharmacy, The Universities of Greenwich and Kent, Chatham Maritime, United Kingdom); Gous AGS (School of Pharmacy, University of Limpopo, MEDUNSA Campus, South Africa); Everard M (Department of Medicines Policy and Standards, World Health Organization, Geneva, Switzerland). Developing Pharmacy Practice Manual: A Focus on Patient Care. Published by: World Health Organization, Department of Medicines Policy and Standards; In collaboration with International Pharmaceutical Federation. 2005.

INTERNATIONAL CONFERENCES

Papers

NATIONAL CONFERENCES

Papers
West Department of Health Research Conference. Orion Safari Hotel, Rustenburg, 26 – 27 May.

Posters
• Hanson C, 2005. Drug utilisation review of hydroxyzine in Dr George Mukhari Hospital. Academy of Pharmaceutical Sciences Conference. Summerstrand Inn Hotel, Port Elizabeth. 29 September – 2 October.
• Pochee E, Gous AGS, Holloway KA, Sørensen TL, 2005. Antimicrobial susceptibility of Escherichia coli strains isolated from women with uncomplicated urinary tract infection and pregnant women with covert bacteriuria. Academy of Pharmaceutical Sciences Conference. Summerstrand Inn Hotel, Port Elizabeth. 29 September – 2 October.

SINGLE INSTITUTION CONFERENCES

Papers

Posters
• Masinge M, Molale MG, Shirilele VE and Bezuizenhout S, Hanson C, 2005. The extent of the use of oral antibiotics in the management of influenza-like symptoms in patients at
Hercules Primary Health Care Clinic. **Academic Day.** University of Limpopo (Medunsa Campus). 17-18 August.


**CONGRESSES/CONFERENCES/COURSE ATTENDANCE**

**ATTENDANCE NOT AS A PRESENTER**


**INTERNATIONAL CONFERENCES**

**KEYNOTE SPEAKERS, INVITED PAPERS AND SESSION CHAIRPERSON**

**ACHIEVEMENTS AND AWARDS**

**(INCLUDING INVOLVEMENT IN COMMITTEES AT A HIGH LEVEL NATIONALLY AND INTERNATIONALLY)**

## MASTERS AND DOCTORAL STUDENTS

<table>
<thead>
<tr>
<th>Student</th>
<th>Gender</th>
<th>Degree</th>
<th>Supervisor</th>
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<tbody>
<tr>
<td>TK Baaisi</td>
<td>Male</td>
<td>MSc (Med) (Pharmacy)</td>
<td>Prof AGS Gous</td>
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<tr>
<td>S Bezuidenhout</td>
<td>Female</td>
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<td>Prof RS Summers</td>
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<tr>
<td>JO Famikin</td>
<td>Male</td>
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<td>SJ Ferreira</td>
<td>Male</td>
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<td>E Helberg</td>
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<td>S Joshi</td>
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<td>MSc (Med) (Pharmacy)</td>
<td>Dr B Summers</td>
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<td>K Mapetla</td>
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<tr>
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<tr>
<td>JK Rushibiza</td>
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<td>A Van Jaarsveld</td>
<td>Female</td>
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<td>Prof AGS Gous</td>
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<tr>
<td>D Vengadajellum</td>
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<tr>
<td>L Brown</td>
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<td>PhD (Pharmacology)</td>
<td>Prof JH Hamman</td>
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<tr>
<td>JC Meyer</td>
<td>Female</td>
<td>PhD</td>
<td>Prof RS Summers</td>
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## VISITING SCIENTISTS / POSTDOCTORAL FELLOWS

This report was compiled by Colleen Mitchell