



2019 FACULTY RESEARCH FORUM

Congratulations to the 2019 winners:

MEDAL WINNERS

Kerneels Nel (Educational)

EC Janse van Vuuren, K Bodenstein, M Nel
Department of Physiotherapy, School for Allied Health Professions

**STRESSORS AND COPING STRATEGIES AMONG PHYSIOTHERAPY STUDENTS:
TOWARDS AN INTEGRATED SUPPORT STRUCTURE**

Muller Potgieter (Laboratory)

MM Nyaga, Y Tan, ML Seheri, RA Halpin, A Akopov, KM Stucker, NB Fedorova, S Shrivastava, AD
Steele, JM Mwenda, BE Pickett, SR Das, MJ Mphahlele
Division of Virology, School of Pathology

**WHOLE-GENOME SEQUENCING AND ANALYSES IDENTIFY HIGH GENETIC
HETEROGENEITY, DIVERSITY AND ENDEMICITY OF ROTAVIRUS GENOTYPE P [6] STRAINS
CIRCULATING IN AFRICA**

John van der Riet (Clinical)

R Tydeman-Edwards, FC van Rooyen, **CM Walsh**
Department of Nutrition & Dietetics, School for Allied Health Professions

**OBESITY, UNDERNUTRITION AND THE DOUBLE BURDEN OF MALNUTRITION IN THE
URBAN AND RURAL SOUTHERN FREE STATE, SOUTH AFRICA**

DR LEHLOHONOLO MATHENGTHENG FLOATING TROPHY

A Pather*, Y Coovadia*, **A Van Der Spoel Van Dijk**⁺
Universitas Academic Laboratory, National Health Laboratory Service⁺, Department of Medical
Microbiology, UFS*

**MULTI-DRUG RESISTANT PROFILES AND CARBAPENEMASE DETERMINANTS OF
ACINETOBACTER BAUMANNII ISOLATES FROM THE UNIVERSITAS ACADEMIC
HOSPITAL, FREE STATE**

EDUCATIONAL POSTERS

JUNIOR CATEGORY

Runner-up:

None

Best Educational Poster:

None

SENIOR CATEGORY

Runner-up:

M Reid, M Nel
School of Nursing; Department of
Biostatistics

VALIDITY AND RELIABILITY TESTING OF THE SESOTHO HEALTH LITERACY TEST (SHLT)

Best Educational Poster:

H Brits
Department of Family Medicine, School of Clinical Medicine

**COMMUNICATION IN CPC BEYOND GENERATION, CULTURAL AND LANGUAGE BARRIERS:
A CASE SERIES OF DRAWINGS**

EDUCATIONAL PAPERS

JUNIOR CATEGORY

Runner-up:

A van der Merwe, RY Barnes, MJ Labuschagne
Department of Physiotherapy; Support School of Medicine

A FRAMEWORK FOR THE INTEGRATION OF SIMULATION IN THE SOUTH AFRICAN UNDERGRADUATE PHYSIOTHERAPY PROGRAMME: A NARRATIVE SYSTEMATIC REVIEW

Best Educational Paper (Sharing):

M Pienaar, M Reid
School of Nursing

A FACE-TO-FACE PEER SUPPORT MODEL FOR ADULTS WITH TYPE 2 DIABETES: A SYSTEMATIC REVIEW

Best Educational Paper:

A Mostert, MP Jama, G Joubert, LJ van der Merwe
Department of Basic Medical Sciences, Faculty of Health Sciences, University of the Free State, Bloemfontein, Free State, South Africa

THE QUALITY OF LIFE OF UNIVERSITY OF THE FREE STATE HEALTH SCIENCES STUDENTS

SENIOR CATEGORY

Runner-up:

LJ van der Merwe, A Botha, G Joubert
Undergraduate Medical Programme Management, School of Clinical Medicine, Biostatistics, School of Biomedical Sciences

COPING IN HEALTHCARE PROFESSIONS STUDENTS AND STAFF AT THE UFS SENSORY INTEGRATION

Best Educational Paper:

C Nyoni, Y Botma
School of Nursing

A FRAMEWORK TO IMPLEMENT AND SUSTAIN A CURRICULAR INNOVATION IN A HIGHER EDUCATION MIDWIFERY PROGRAMME

CLINICAL POSTERS

JUNIOR CATEGORY

Runner-up:

TT Mutize⁺, MJ Coetzee⁺, RY Seedat^{*}, SC Brown[#], F Gebremariam⁺⁺, HJ Mager^{**}, HK Ploos van Amstel^{**}

Haematology and Cell Biology UFS⁺, Otorhinolaryngology UFS^{*}, Paediatric Cardiology UFS[#], Clinical Imaging Sciences⁺⁺, Dutch Centre of Excellence for HHT, St Antonius Ziekenhuis, Utrecht^{**}

CLINICAL FEATURES OF HEREDITARY HAEMORRHAGIC TELANGIECTASIA (HHT) PATIENTS IN CENTRAL SOUTH AFRICA, A PRELIMINARY REPORT

Best Clinical Poster:

JL Esterhuizen, G Lamacraft
Department of Anaesthesiology

A PROSPECTIVE STUDY OF AN ALGORITHM USING PHENYLEPHRINE INFUSED THROUGH A NON-ELECTRONIC DEVICE, FOR PREVENTION AND TREATMENT OF HYPOTENSION FOLLOWING SPINAL ANAESTHESIA FOR CAESAREAN SECTION IN A SOUTH AFRICAN TEACHING HOSPITAL

SENIOR CATEGORY

Runner-up:

None

Best Clinical Poster:

E de Waal
Department of Exercise and Sport Sciences, School of Allied Health Professions, Faculty of Health Sciences, University of the Free State

FUNDAMENTAL MOVEMENT SKILLS AND ACADEMIC PERFORMANCE OF 5-TO 6-YEAR-OLD PRE-SCHOOLERS

CLINICAL PAPERS

JUNIOR CATEGORY

Runner-up:

CJ Sinclair, FF Coetzee, R Schall

Department of Exercise and Sport Sciences; Department of Mathematical Statistics and Actuarial Science

PHYSICAL AND PHYSIOLOGICAL PROFILE OF U18, U19, U21 AND SENIOR ELITE NETBALL PLAYERS

Best Clinical Paper:

DM Nonkula, TA Rasengane, Dr Adamjee

Optometry, Optometry, Ophthalmology

PREVALENCE OF DRY EYE DISEASE AMONG PATIENTS AT THE EYE CLINIC IN NELSON MANDELA ACADEMIC HOSPITAL

SENIOR CATEGORY

Runner-up:

PM van Zyl, G Marx, G Joubert

Department of Pharmacology, UFS, Department of Genetics, UFS, Department of Biostatistics, UFS

SINGLE NUCLEOTIDE POLYMORPHISMS IN FOUR SELECTED GENES AND EARLY OUTCOMES OF ALCOHOL DETOXIFICATION AND REHABILITATION

Best Clinical Paper:

R Kokui D Turkson⁺, JO Ngounda⁺,

M Nel^{*}, **C M Walsh**⁺

Department of Nutrition and Dietetics⁺,

Department of Biostatistics^{*}

THE IMPACT OF A FERMENTED MILK AND PHYSICAL ACTIVITY INTERVENTION ON INDICATORS OF FRAILTY AND MALNUTRITION IN THE ELDERLY IN LESOTHO

LABORATORY PAPERS

JUNIOR CATEGORY

Runner up:

S Sreenivasan Tantuan, C Booyesen, CD Viljoen
Human Molecular Biology Unit, School of Biomedical Sciences

A PILOT STUDY INVESTIGATING THE INCIDENCE OF MISLABELLING IN PROCESSED MEAT PRODUCTS SOLD IN SOUTH AFRICA

Best Laboratory Paper:

S Rasebotsa, PN Mwangi, MT Mogotsi, S Sabiu, LP Mosime, NB Magagula, K Rakau, J Uwimana, L Mutesa, N Muganga, D Murenzi, L Tuyisenge, MJ Mphahlele, LM Seheri, JM Mwenda, MM Nyaga
Next Generation Sequencing Unit, Division of Virology

WHOLE GENOME ANALYSES OF ROTAVIRUS G1P[8] STRAINS CIRCULATING PRE- AND POST ROTATEQ™ VACCINE INTRODUCTION IN RWANDA

SENIOR CATEGORY

Runner up:

Walter Janse van Rensburg
Human Molecular Biology Unit

MOLECULAR SUITABILITY OF THE CHACMA BABOON MODEL OF ACQUIRED THROMBOTIC THROMBOCYTOPENIC PURPURA WHEN EVALUATING ANTI-VWF AGENTS

Best Laboratory Paper:

D van Eeden, FCP du Plessis
Department of Medical Physics, School of Clinical Medicine

IMPROVED BREAST CT IMAGES THROUGH INCORPORATION OF A VIRTUAL BOWTIE FILTER

*There were no winners in the Laboratory Poster Category.