

# 2022 FACULTY RESEARCH FORUM

## Prize winners

### Medal winners: 2022

#### **John van der Riet Medal Winner- Clinical**

A Kruger, M Strauss and M Visser

Department of Occupational Therapy, School of Health and Rehabilitation Sciences, UFS  
*In-hand manipulation assessment instruments for children: A scoping review*

#### **Muller Potgieter Medal Winner -Laboratory**

J Joubert, SM Meiring, C Conradie, S Lamprecht and WJ Janse van Rensburg

Department of Haematology and Cell Biology, School of Pathology, UFS  
*The effects of streptokinase in a Chacma baboon (Papio ursinus) model of acquired thrombotic thrombocytopenic purpura*

#### **Kerneels Nel Medal Winner-Educational**

CN Nyoni, L Hugo-Van Dyk and Y Botma

School of Nursing, UFS  
*Clinical placement models for undergraduate health professions students: A scoping review*

# Student Research Forum Winners 2022

## **1<sup>st</sup> Prize Best student paper (School of Health and Rehabilitation Sciences) presented at the Forum**

**FOOD SECURITY STATUS, FOOD ENVIRONMENT AND RISK OF NON-COMMUNICABLE DISEASE AMONGST STUDENTS OF THE UFS**

S Lamprecht, M-L Lyons, G Steenkamp, A White

Department of Nutrition and Dietetics

## **2<sup>nd</sup> Prize Best student paper (School of Nursing) presented at the Forum**

**COPING STRATEGIES OF FRONT-LINE NURSES DURING THE COVID-19 PANDEMIC: A SCOPING REVIEW**

A Faulhammer, R Kellermann, N Pretorius, A Bosman, A Kitchen, J Lombard, L-M Barnard

School of Nursing

## **3<sup>rd</sup> Prize Best student paper (School of Medicine) presented at the Forum**

**PREVALENCE OF SLEEP DEPRIVATION AMONG MEDICAL STUDENTS AT THE UNIVERSITY OF THE FREE STATE**

H Geldenhuys, R Rodrigues, A Uys, O Matshediso, C van der Merwe, B van der Vyver, M du Toit, R Human

School of Clinical Medicine

## Prize winners:

### CLINICAL PAPERS:

Junior category: runner-up

**KNOWLEDGE, ATTITUDES AND PRACTICE OF SOUTH AFRICAN PHYSIOTHERAPISTS REGARDING THE MANAGEMENT OF GYNAECOLOGICAL CANCER SURVIVORS**

Presenter Jané Welman

*Authors:* J Welman; RY Barnes and A van der Merwe

*Departments:* Department of Physiotherapy

Best Clinical Paper in the Junior category:

**POSTOPERATIVE PULMONARY COMPLICATIONS IN ADULT SURGICAL PATIENTS IN LOW- AND MIDDLE-INCOME COUNTRIES: A SYSTEMATIC REVIEW AND META-ANALYSIS.**

Presenter Etienne Earle

*Authors:* E Earle; EW Turton and Rodseth

*Department of Anaesthesiology*

### **SENIOR CATEGORY:**

Runner-up: Clinical Paper in the Senior category

**Impact of a nutrition education intervention on nutrition-related self-efficacy and locus of control among women in Lesotho**

*Presenter:* Corinna Walsh

*Authors:* M Ranneileng, M Nel, CM Walsh

*Departments:* Department of Nutrition and Dietetics

Best Clinical Paper in the Senior category:

**CASH PAYING PATIENTS FOR ART IN SOUTH AFRICA: PURSES AND WALLETS CONTRIBUTING TO TREATMENT TARGETS**

*Presenter:* James Ndirangu

*Authors:* C Nogoduka<sup>1</sup>, TL Konstant<sup>2</sup>; BR Luwaca<sup>1</sup> and J Ndirangu<sup>3</sup>

*Departments:* Office of the Dean

Runner-up Clinical Poster Paper in the junior category:

**Knowledge, perceptions, and practices influencing the uptake of HIV testing services (HTS) among young men in the rural Driefontein and the peri-urban Steadville Township in KwaZulu-Natal, South Africa**

*Presenter:* Sithembiso Ndlovu

*Authors:* S Ndlovu A Ross

*Departments:* Office of the Dean

Best Clinical Poster Paper in the junior category:

**The response of the accommodation system to digital and print images**

*Presenter:* Minette Devenier

*Authors:* M Devenier; R Hansraj and TA Rasengane

*Departments:* Department of Optometry

Best Clinical Poster Paper in the senior category:

**Dietary diversity and weight status of female staff workers in Mangaung primary schools**

*Presenter:* Lucia Meko

*Authors:* NML Meko<sup>1</sup> and M Nel<sup>2</sup>

*Departments:* Department of Nutrition and Dietetics.

Runner-up Clinical Poster Paper in the senior category:

**South African dietitians' perspectives on use of flash glucose monitoring in patients with type 1 diabetes mellitus.**

*Presenter* Elmine du Toit

*Authors:* M van der Merwe, E du Toit; U Hallbauer and M Nel

*Departments:* Department of Nutrition and Dietetics

**Prize Winner**  
**Educational Paper**

Runner-up Educational Paper in the junior category:

**DOES RESIDING ON- OR OFF-CAMPUS MAKE A DIFFERENCE TO FIRST-YEAR HEALTH SCIENCES STUDENTS' QUALITY OF LIFE?**

*Presenter:* Arnelle Mostert

*Authors:* A Mostert; MP Jama; G Joubert and LJ van der Merwe  
*Departments:* Basic Medical Sciences, UFS

Best Educational Paper in the junior category:

**Are undergraduate medical students prepared for the difficult skill of disclosing medical errors?**

*Presenter:* Dirkie Swinfen

*Authors:* D Swinfen; MJ Labuschagne and G Joubert  
*Departments:* Clinical Simulation and Skills Unit

Best Educational Paper in the junior category:

**Are undergraduate medical students prepared for the difficult skill of disclosing medical errors?**

*Presenter:* Dirkie Swinfen

*Authors:* D Swinfen; MJ Labuschagne and G Joubert  
*Departments:* Clinical Simulation and Skills Unit

Best Educational Paper in the senior category:

**Simulation-based debriefing research trends in nursing education**

*Presenter:* Cynthia Spies

*Authors:* C Spies and A Welman  
*Department:* School of Nursing

Runner-up Educational Paper in the senior category:

**Twenty years of undergraduate medical student research at the UFS**

*Presenter:* Hannes Steinberg

*Authors:* G Joubert; WJ Steinberg; FC van Rooyen and R van Zyl

*Departments:* Department of Biostatistics

Runner-up Educational Paper in the senior category:

**Twenty years of undergraduate medical student research at the UFS**

*Presenter:* Hannes Steinberg

*Authors:* G Joubert; WJ Steinberg; FC van Rooyen and R van Zyl

*Departments:* Department of Biostatistics

Best Educational Poster Paper in the junior category:

**Applying ADDIE to construct an online PBM short learning programme for nurses: An African Perspective**

*Presenter:* Isabella du Preez

*Authors:* IM Du Preez; CL Barrett; MJ Coetzee; K van den Berg, VR Rambiritch;  
M Vermeulen; PL Wessels; T Rapodile; L Strydom; T Glatt and V Seoraj

*Departments:* Instructional Designer

## Prize Winner

### Laboratory Paper

Best Laboratory Paper in the senior category:

**Innovative intervention involving counselling-assisted genetic testing for breast cancer**

*Presenter:* Nerina van der Merwe

*Authors:* NC van der Merwe; J Oosthuizen ; L Mampunye<sup>3</sup> and MJ Kotze

*Departments:* Human Genetics, NHLS

Runner-up Laboratory Paper in the senior category:

**THE *IN VITRO* PLASMINOGEN ACTIVATION POTENTIAL OF STREPTOKINASE VS. ALTEPLASE, IN A *PAPIO URSINUS* MODEL OF ACQUIRED THROMBOTIC THROMBOCYTOPENIC PURPURA**

*Presenter:* Jaco Joubert

*Authors:* J Jaco M Meiring and W Janse Van Rensburg

*Departments:* Department of Haematology and Cell Biology

Best Laboratory Paper in the junior category:

**OPTIMISATION OF AN HRM SCREENING METHOD AND DETECTION OF TP53 GENE VARIANTS IN HAEMATOLOGICAL MALIGNANCIES IN A CENTRAL SOUTH AFRICAN POPULATION**

*Presenter:* Jen-Marié Grové

*Authors:* J-M Grové; J Kloppers; A van Marleand A de Kock

*Departments:* Department of Haematology and Cell Biology,

Runner-up Laboratory Paper in the junior category:

**Verification of a 3D Printed Cardiac Phantom with Monte Carlo Simulations for Clinical Validation**

*Presenter:* Hané Pieters

*Authors:* H Pieters; J van Staden<sup>1</sup>; H du Raan and F du Plessis

*Departments:* Department of Medical Physics, UFS

## Prize winners:

### DR LEHLOHONOLO MATHENGTHENG FLOATING TROPHY:

**Mosquito species in central South Africa**

*Presenter:* Tumelo Sekee

*Authors:* TR Sekee and FJ Burt

*Departments:* Division of Virology, UFS