



CELEBRATES SCIENCE



November 2023

1. INTRAMURAL RESEARCH UNITS

Biomedical Research and Innovation Platform

1. **Kimani CN**, Reuter H, Kotze SH, **Venter P**, **Ramharack P**, **Muller CJF**. Pancreatic beta cell regenerative potential of zanthoxylum chalybeum engl. aqueous stem bark extract. *Journal of Ethnopharmacology*. 2023 Nov 7.
DOI: 10.1016/j.jep.2023.117374

Biostatistics

1. Dresselhaus C, Fabris-Rotelli I, Manjoo-Docrat R, Brettenny W, Holloway J, **Abdelatif N**, Thiede R, Debba P, Dudeni-Tlhone N. A spatial model with vaccinations for COVID-19 in South Africa. *Spatial Statistics*. 2023 Nov 9.
DOI: 10.1016/j.spasta.2023.100792

Burden of Disease

1. Greybe L, Eley BS, Tootla HD, Botha AMM, **Basera W**, Nuttall JJC. A descriptive study of vancomycin use at Red Cross War Memorial Children's Hospital, Cape Town. *South African Journal of Infectious Diseases*. 2023 Nov 6;38(1):a528.
DOI: 10.4102/sajid.v38i1.528
2. **Matzopoulos R**, **Prinsloo MR**, Mhlongo S, Marineau L, Cornell M, Bowman B, Mamashela TA, Gwebushe N, Ketelo A, Martin LJ, Dekel B, Lombard C, Jewkes R, Abrahams N. South Africa's male homicide epidemic hiding in plain sight: Exploring sex differences and patterns in homicide risk in a retrospective descriptive study of postmortem investigations. *PLOS Global Public Health*. 2023 Nov 22;3(11):e0002595.
DOI: 10.1371/journal.pgph.0002595

Centre for Tuberculosis

1. **Derendinger B**, **Dippenaar A**, **de Vos M**, Huo S, **Alberts R**, **Tadokera R**, Limberis J, **Sirgel F**, Dolby T, **Spies C**, Reuter A, Folkerts M, Allender C, Lemmer D, Van Rie A, Gagneux S, Rigouts L, te Riele J, Dheda K, Engelthaler DM, **Warren R**, Metcalfe J, Cox H, **Theron G**. Bedaquiline resistance in patients with drug-resistant tuberculosis in Cape Town, South Africa: A retrospective longitudinal cohort study. *The Lancet Microbe*. 2023 Nov 3.
DOI: 10.1016/S2666-5247(23)00172-6
2. **Ghielmetti G**, **Loubser J**, **Kerr TJ**, Stuber T, Thacker T, **Martin LC**, **O'Hare MA**, **Mhlophe SK**, **Okunola A**, **Loxton AG**, **Warren RM**, Moseley MH, **Miller MA**, **Goosen WJ**. Advancing animal tuberculosis surveillance using culture-independent long-read whole-genome sequencing. *Frontiers in Microbiology*. 2023 Nov 21;14:1307440.
DOI: 10.3389/fmicb.2023.1307440
3. Heupink TH, Verboven L, **Sharma A**, Rennie V, de Diego Fuertes M, **Warren RM**, Van Rie A. The MAGMA pipeline for comprehensive genomic analyses of clinical Mycobacterium tuberculosis samples. *PLoS Computational Biology*. 2023 Nov 29;19(11):e1011648.
DOI: 10.1371/journal.pcbi.1011648
4. Kerkhoff AD, West NS, del Mar Castro M, Branigan D, Christopher DJ, Denkinger CM, Nhung NV, **Theron G**, Wordria W, Yu C, Muyoyeta M, Cattamanchi A. Placing the values and preferences of people most affected by TB at the center of screening and testing: An approach for reaching the unreachable. *BMC Global Public Health*. 2023 Nov 21;1:27.
DOI: 10.1186/s44263-023-00027-0
5. **Roos EO**, **Loubser J**, **Kerr TJ**, **Dippenaar A**, **Streicher E**, Olea-Popelka F, Robbe-Austerman S, Stuber T, Buss P, Buss P, de Klerk-Lorist L-M, **Warren RM**, **van Helden PD**, **Parsons SDC**, **Miller MA**. Whole genome sequencing improves the discrimination between Mycobacterium bovis strains on the southern border of Kruger National Park, South Africa. *One Health*. 2023 Nov 12.
DOI: 10.1016/j.onehlt.2023.100654

Environment and Health

1. **Wright CY, Kapwata T**, Cook C, Howard SJ, Makaula H, Merkley R, Mshudulu M, Tshetu N, **Naidoo N**, Scerif G, Draper CE. Inadequate access to potable water impacts early childhood development in low-income areas in Cape Town, South Africa. *Annals of Global Health*. 2023 Nov 24; 89(1):82.
DOI: 10.5334/aogh.4281

Gender and Health

1. Mont D, Banks LM, Carraro L, Cote A, **Hanass-Hancock J**, Mitra S, Morris Z, Nasiir M, Pinilla-Roncancio M. Methods for estimating the impact of disability costs for designing inclusive policies. *Disabilities*. 2023 Nov 7;3(4):539-549.
DOI: 10.3390/disabilities3040034
2. **Nöthling J, Gibbs A**, Washington L, Gigaba SG, **Willan S, Abrahams N, Jewkes R**. Change in emotional distress, anxiety, depression and PTSD from pre- to post-flood exposure in women residing in low-income settings in South Africa. *Archives of Womens Mental Health*. 2023 Nov 22.
DOI: 10.1007/s00737-023-01384-3
3. van den Heuvel LL, Assim A, Koning M, **Nothling J**, Seedat S. Childhood maltreatment and internalizing/externalizing disorders in trauma-exposed adolescents: Does Posttraumatic Stress Disorder (PTSD) severity have a mediating role? *Development and Psychopathology*. 2023 Nov 29.
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Genomics Centre

1. Campbell L, Fredericks J, Mathivha K, Moshesh P, Coovadia A, Chirwa P, Dillon B, Ghoor A, Lawrence D, Nair L, Mabaso N, Mokwele D, Novellie M, Krause A, **Carstens N**. The implementation and utility of clinical exome sequencing in a South African infant cohort. *Frontiers in Genetics*. 2023 Nov 9;14:1277948.
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Health Systems

1. Baker P, **Leon N**, Colvin CJ, Griffith DM. Health policies must consider gender, including men. *The Lancet Global Health*. 2023 Nov 14.
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2. Chenneville T, Gabbidon K, Zharima C, Hornschuh S, **Dietrich JJ**. Factors affecting COVID-19's mental health impact on college students in the southeastern United States. *Frontiers in Public Health*. 2023 Nov 15;11:1225686.
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3. Closson K, Zulu B, Jesson J, **Dietrich JJ**, Pakhomova T, Basham CA, Beksinska M, Kaida A. Examining gender and sexual orientation differences in physical intimate partner violence experienced and perpetrated by youth living in eThekweni district South Africa during the COVID-19 pandemic. *BMC Public Health*. 2023 Nov 21;23(1):2300.
DOI: 10.1186/s12889-023-17199-x
4. Hendrikse C, Ngah V, Kallon II, **Leong TD**, McCaul M. Ketamine as adjunctive or monotherapy for post-intubation sedation in patients with trauma on mechanical ventilation: A rapid review. *African Journal of Emergency Medicine*. 2023 Nov 10.
DOI: 10.1016/j.afjem.2023.10.002
5. Kalichman S, **Banas E**, Shkempi B, Kalichman M, **Mathews C**. Unannounced phone-based pill counts for monitoring antiretroviral medication adherence in South Africa. *HIV Research & Clinical Practice*. 2023 Nov 2.
DOI: 10.1080/25787489.2023.2269677

6. Petersen I, Kemp CG, Rao D, Wagenaar BH, Bachmann M, Sherr K, Kathree T, Luvuno Z, Van Rensburg A, Gigaba SG, Mthethwa L, Grant M, Selohilwe O, Hongo N, Faris G, Ras CJ, Fairall L, Bucibo S, **Bhana A**. Strengthening integrated depression services within routine primary health care using the RE-AIM framework in South Africa. *PLOS Global Public Health*. 2023 Nov 13;3(11):e0002604.
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HIV and Other Infectious Diseases

1. Dickson L, Le Roux SR, Mitrani L, Hill J, Jassat W, Cox H, Mlisana K, Black J, **Loveday M**, Grant A, Kielmann K, Ndjeka N, Moshabela M, Nicol M. Organisation of care for people receiving drug-resistant tuberculosis treatment in South Africa: A mixed methods study. *BMJ Open*. 2023 Nov 17;13(11):e067121.
DOI: 10.1136/bmjopen-2022-067121

Mental Health, Alcohol, Substance Use and Tobacco

1. **Bantjes J**, Kessler MJ, Hunt Z, Stein DJ, Kessler RC. Treatment rates and barriers to mental health service utilisation among university students in South Africa. *International Journal of Mental Health Systems*. 2023 Nov 9;17(1):38.
DOI: 10.1186/s13033-023-00605-7
2. Fagbule OF, **Egbe CO**, Ayo-Yusuf OA. Tobacco vendors' perceptions and compliance with tobacco control laws in Nigeria. *International Journal of Environmental Research and Public Health*. 2023 Nov 12;20(22):7054.
DOI: 10.3390/ijerph20227054
3. Gbollie EF, **Bantjes J**, Jarvis L, Swandevelder S, du Plessis J, Shadwell R, Davids C, Gerber R, Holland N, Hunt X. Intention to use digital mental health solutions: A cross-sectional survey of university students attitudes and perceptions toward online therapy, mental health apps, and chatbots. *Digital Health*. 2023 Nov 30;9:20552076231216559.
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Non-Communicable Disease

1. Campagna D; DiaSmokeFree Working Group [include: **Kengne AP**]. Comment on Elsayed et al. 5. Facilitating positive health behaviors and well-being to improve health outcomes: Standards of care in diabetes-2023. *Diabetes Care* 2023;46(Supplement 1):S68-S96. *Diabetes Care*. 2023 Nov 1; 46(11):e212-e213.
DOI: 10.2337/dc23-1262
2. Ekobena FM, Etoga MCE, Dehayem M, Yon CLN, Balogog PN, Mvogo GD, **Kengne AP**, Sobngwi E, Mbanya JC. Prevalence and correlates of macrovascular complications at Type 2 diabetes diagnosis in a tertiary hospital in Yaounde, Cameroon. *Journal of Diabetes Mellitus*. 2023 Nov 9;13(4):269-283.
DOI: 10.4236/jdm.2023.134021
3. **Hill J, Faber M, George C, Peer N, Mulabisano T, Mostert S**, Sobngwi E, **Kengne AP**. The development of text messages to support people at risk of diabetes in low-resourced communities: The South African diabetes prevention programme. *Nutrients*. 2023 Nov 5;15(21):4692.
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5. Ricci H, **Faber M**, Ricci C, Kruger HS, Malan L, Nakiranda R, Visser M, Smuts CM. Effects of egg as an early complementary food on growth of 6 to 9-month-old infants: A randomised controlled trial. *Public Health Nutrition*. 2023 Nov 29;27(1):e1.
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4. RESEARCH UNITS WITH NO PUBLICATIONS

Intramural

- Office of AIDS Research
- Office of Malaria Research
- Office of Tuberculosis Research

Extramural

- Antimicrobial Resistance and Global Health Research
- Antiviral Gene Therapy
- Cardiometabolic Health
- Centre for antimicrobial Resistance
- Common Epithelial Cancer
- Drug Discovery and Development
- Herbal Drugs
- Maternal and Infant Health Care Strategies
- Microbial Water Quality Monitoring
- Precision and Genomic Medicine
- South African Population Research Infrastructure Network
- Stem Cell Research and Therapy

Research Centre

- Advancing Care and Treatment For TB/HIV
- Centre for Basic and Translational Human TB Research
- Centre for Digital Health Innovation
- Centre for Multi-Disciplinary Research on Malaria
- Centre for Optimising Antimalarial Therapy in South Africa
- Centre for Sustainable Malaria Control
- Centre for Tuberculosis Biomarker-Targeted Intervention
- Clinical and Community HIV-Tuberculosis Research
- Soweto Matlosana SAMRC Collaborating Centre for HIV/AIDS and TB
- TB Free through Research and Innovation
- Tuberculosis Collaborating Centre for Child Health
- Tygerberg SAMRC Collaborating centre for HIV Laboratory Research
- Wits Clinical HIV/TB Research Unit, WITS Health Consortium
- Wits RHI Collaborating Centre for HIV/AIDS

5. GRANTS AWARDED

SAMRC LIST OF NEW CONTRACTS FOR NOVEMBER 2023					
SAMRC Unit	Funder	Main Funder	Project Title/Description	Contract Value	
				Rand	Foreign Currency
EHRU	Foreign Commonwealth & Development Office	National Research Foundation	Health Impact of Fossil Fuels Ref 301523-404	R604 109.00	£29 441.00
Events Management	SVRI	SVRI	Sexual Violence Research Initiative Conference to be held in Cape Town from 21-25 October 2024	R2 038 204.00	-
Genomics	Stellenbosch University	Stellenbosch University	Provision of Microbial DNA from human stool samples	R43 008.00	-
	University of Cape Town	University of Cape Town	Material Transfer and related Services Agreement – Whole Exome Sequencing	R189 000.00	-
	Wits Health Consortium	Wits Health Consortium	Material Transfer Agreement	R198 000	-
	Education, Training & Development Practices Sector Education & Training Authority	ETDP SETA	Bursaries & Skills Programmes	R1 669 130.00	-
	University of Pretoria	University of Pretoria	Material Transfer Agreement	R141 100	-
	Stellenbosch University	Stellenbosch University	SLA: Predict TB, Amendment 1 S007642 (A-02)	R5 374 315.00	-

SAMRC Unit	Funder	Main Funder	Project Title/Description	Contract Value	
				Rand	Foreign Currency
GHRU	Fordham University	Wellspring Philanthropic Foundation	Subaward No, FORD0106-47568	R312 158.00	\$16 558.00
GIPD	Department of Science & Technology	Department of Science & Technology	Management Fees for the Implementation of the Separate Agreement and the 'on-channelling' of funds from KfW DSI/CON C3252/2023	R24 951 562.00	-
HIDRU	CAPRISA	National Institute of Health	Sixth Addendum to Kwazulu-Natal Clinical Trials Unit (CTU) Subward Agreement Between the Centre for The Aids Programme of Research in South Africa (CAPRISA) and The South African Medical Research Council	R3 538 464.00	\$187 693.00
HSRU	World Health Organization	World Health Organization	Agreement For Performance of Work (APW) PO 203296854	R274 850.00	-
MASTRU	RTI International	RTI International	Subaward Number 1-312-0218795-67029L Modification Number 2	R3 286 633.00	\$174 335
	Boston Medical Center Corporation	Boston Medical Center Corporation	Transmission of Tuberculosis Among illicit drug use Linkages (TOTAL)	R849 715.00	\$45 072.00
	Harvard Medical School	National Institute of Health	Investigating Bacterial contributions to TB treatment response: a focus on in-host pathogen dynamics Award nr 5R01AI55765-04	R3 269 779.00	\$173 441.00

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