

CELEBRATES SCIENCE



February 2023

1. INTRAMURAL RESEARCH UNITS

Alcohol, Tobacco and Other Drugs

1. Asher L, **Rapiya B**, Repper J, Reddy T, **Myers B**, Hanlon C, Petersen I, **Brooke-Sumner C**. Peer-led recovery groups for people with psychosis in South Africa (PRIZE): Protocol for a randomised controlled feasibility trial. Pilot and Feasibility Studies. 2023 Feb 01;9(1):19. DOI: 10.1186/s40814-022-01232-8
2. Sorsdahl K, Van der Westhuizen C, **Hornsby N**, **Jacobs Y**, Poole M, Neuman M, Weiss HA, **Myers B**. Project ASPIRE: A feasibility randomized controlled trial of a brief intervention for reducing risk of depression and alcohol-related harms among South African adolescents. Psychotherapy Research. 2023 Feb 03. DOI: 10.1080/10503307.2023.2169083

Biomedical Research and Innovation Platform

1. **Dludla PV**, Ziqubu K, **Mabhida SE**, Mazibuko-Mbeje SE, Hanser S, Nkambule BB, Basson AK, **Pheiffer C**, Tiano L, Kengne AP. Dietary supplements potentially target plasma glutathione levels to improve cardiometabolic health in patients with diabetes mellitus: A systematic review of randomized clinical trials. Nutrients. 2023 Feb 14;15(4):944. DOI: 10.3390/nu15040944
2. **Jack BU**, **Ramharack P**, Malherbe C, **Gabuza K**, Joubert E, **Pheiffer C**. Cyclopia intermedia (Honeybush) induces uncoupling protein 1 and peroxisome proliferator-activated receptor alpha expression in obese diabetic female DB/DB Mice. International Journal of Molecular Sciences. 2023 Feb 15;24(4):3868. DOI: 10.3390/ijms24043868
3. Ziqubu K, **Dludla PV**, **Mthembu SXH**, Nkambule BB, **Mabhida SE**, **Jack BU**, Nyambuya TM, Mazibuko-Mbeje SE. An insight into brown/beige adipose tissue whitening, a metabolic complication of obesity with the multifactorial origin. Frontiers in Endocrinology. 2023 Feb 16;14:1114767. DOI: 10.3389/fendo.2023.1114767

Biostatistics

1. Moodley D, **Lombard C**, Govender V, Naidoo M, Desmond AC, Naidoo K, Mhlongo O, Sebitloane M, Newell ML, Clark R, Rooney JF, Gray G, CAP016 Team. Pregnancy and neonatal safety outcomes of timing of initiation of daily oral tenofovir disoproxil fumarate and emtricitabine pre-exposure prophylaxis for HIV prevention (CAP016): An open-label, randomised, non-inferiority trial. The Lancet HIV. 2023 Feb 03. DOI: 10.1016/S2352-3018(22)00369-1
2. Owokotomo OE, Manda S, Cleasen J, Kasim A, Sengupta R, Shome R, Subhra Paria S, **Reddy T**, Shkedy Z. Modeling the positive testing rate of COVID-19 in South Africa using a semi-parametric smoother for binomial data. Frontiers in Public Health. 2023 Feb 22; 11:979230. DOI: 10.3389/fpubh.2023.979230
3. Smith C, Sewry N, Nolte K, **Swanevelder S**, Engelke N, van Kamp C, **Jordaan E**, Schwellnus M. Do five screening tools identify the same number of runners who require pre-exercise medical clearance? SAFER XXXIV. The Physician and Sportsmedicine. 2023 Feb 01. DOI: 10.1080/00913847.2023.2176161

4. van der Merwe P, Rule R, **Olorunju S**, Jacobs F. The empirical use of aminoglycosides in Ludwig's angina based on bacterial analysis of 63 cases. *Journal of Stomatology, Oral and Maxillofacial Surgery*. 2023 Feb 03.
DOI: 10.1016/j.jormas.2023.101409

Burden of Disease

1. Gebremicael MN, Nuttall JJC, Tootla HD, Khumalo A, Tooke L, Salie S, Muloiwa R, Rhoda N, **Basera W**, Eley BS. Candida bloodstream infection among children hospitalised in three public-sector hospitals in the Metro West region of Cape Town, South Africa. *BMC Infectious Diseases*. 2023 Feb 03;23(1):67.
DOI: 10.1186/s12879-023-08027-z
2. Motlhale M, Muchengeti M, **Bradshaw D**, Chen WC, Singini MG, de Villiers CB, Lewis CM, Bender N, Mathew CG, Newton R, Waterboer T, Singh E, **Sitas F**. Kaposi sarcoma-associated herpesvirus, HIV-1 and Kaposi sarcoma risk in black South Africans diagnosed with cancer during antiretroviral treatment rollout. *International Journal of Cancer*. 2023 Feb 02.
DOI: 10.1002/ijc.34454
3. **Nicol E**, **Basera W**, Lombard C, Jonas K, Ramraj T, Govindasamy D, **Hlongwa M**, McClinton-Appollis T, **Mehlomakulu V**, Naqvi N, Bedford J, Drummond J, Cheyip M, Dladla S, **Pass D**, **Funani N**, Mathews C. Strengthening health system's capacity for linkage to HIV care for adolescent girls and young women and adolescent boys and young men in South Africa (SheS'Cap-Linkage): Protocol for a mixed methods study in KwaZulu-Natal, South Africa. *PLoS One*. 2023 Feb 13;18(2):e0271942.
DOI: 10.1371/journal.pone.0271942

Centre for Tuberculosis

1. Anselmo LMP, Gallo JF, Pinhata JMW, Peronni KC, Silva Junior WAD, Ruy PC, **Conceição EC**, Dippenaar A, **Warren RM**, Monroe AA, Oliveira RS, Bollela VR. New insights on tuberculosis transmission dynamics and drug susceptibility profiles among the prison population in southern Brazil based on whole-genome sequencing. *Revista da Sociedade Brasileira de Medicina Tropical*. 2023 Feb 20;56:e0181-2022.
DOI: 10.1590/0037-8682-0181-2022
2. Chirehwa MT, Resendiz-Galvan JE, Court R, **De Kock M**, Wiesner L, de Vries N, Harding J, Gumbo T, **Warren R**, Maartens G, Denti P, McIlleron H. Optimizing moxifloxacin dose in MDR-TB participants with or without efavirenz coadministration using population pharmacokinetic modeling. *Antimicrobial Agents and Chemotherapy*. 2023 Feb 06.
DOI: 10.1128/aac.01426-22
3. **Cooke DM**, **Goosen WJ**, Burgess T, **Witte C**, **Miller MA**. Mycobacterium tuberculosis complex detection in rural goat herds in South Africa using bayesian latent class analysis. *Veterinary Immunology and Immunopathology*. 2023 Feb 02.
DOI: 10.1016/j.vetimm.2023.110559
4. **Eribo OA**, **Naidoo CC**, **Theron G**, **Walzl G**, **du Plessis N**, **Chegou NN**. An archetypical model for engrafting bacteroides fragilis into conventional mice following reproducible antibiotic conditioning of the gut microbiota. *Microorganisms*. 2023 Feb 10;11(2):451.
DOI: 10.3390/microorganisms11020451
5. Mayanja-Kizza H, Cardona PJ, **Chegou NN**. Editorial: Immuno-diagnosis of active tuberculosis; Are we making progress? *Frontiers in Immunology*. 2023 Feb 24;14:1092651.
DOI: 10.3389/fimmu.2023.1092651

6. Murphy M, Suliman S, Briel L, Veldtsman H, Khomba N, Africa H, Steyn M, **Snyders CI, van Rensburg IC, Walzl G, Chegou NN**, Hatherill M, Hanekom WA, Scriba TJ, Nemes E. Newborn BCG vaccination induces robust infant IFN γ -expressing NK cell responses to mycobacteria. *International Journal of Infectious Diseases*. 2023 Feb 25. DOI: 10.1016/j.ijid.2023.02.018
7. **Shaw JA**, John TJ, Koegelenberg CFN, Da Silva M, Allwood BW, Weich H. Issues in medicine: Transcatheter vascular plugs for the treatment of massive haemoptysis from Rasmussen aneurysms. *South African Medical Journal*. 2023 Feb 01;113(2):65-68. DOI: 10.7196/SAMJ.2022.v113i2.16758

Environment and Health

1. **Nkambule S**, Johnson R, **Mathee A, Mahlangeni N, Webster C, Horn S**, Mangwana N, Dias S, Sharma JR, Ramharack P, Louw J, Reddy T, Surujlal-Naicker S, Mdhluli M, Gray G, Muller C, **Street R**. Wastewater-based SARS-CoV-2 airport surveillance: Key trends at the Cape Town International Airport. *Journal of Water & Health*. 2023 Feb 28;21(3):402-408. DOI: 10.2166/wh.2023.281
2. Olajide-Ibiejugba AO, **Nkosi V**, Rathogwa-Takalani F, Shirinde J, Wichmann J, Green RJ, Voyi K. Asthma control among adolescents in the inner province of South Africa: Perception v. reality. *South African Journal of Child Health* 2023;17(1):1-3. DOI: 10.7196/SAJCH.2023.v17i1.195
3. Sepadi MM, **Nkosi V**. Health risk assessment of informal food vendors: A comparative study in Johannesburg, South Africa. *International Journal of Environmental Research and Public Health*. 2023 Feb 03;20(3):2736. DOI: 10.3390/ijerph20032736
4. **Wright CY, Mathee A**, Goldstone C, **Naidoo N, Kapwata T, Wernecke B, Kunene Z**, Millar DA. Developing a Healthy Environment Assessment Tool (HEAT) to address heat-health vulnerability in South African towns in a warming world. *International Journal of Environmental Research and Public Health*. 2023 Feb 06;20(4):2852. DOI: 10.3390/ijerph20042852
5. Zupunski L, **Street R**, Ostroumova E, Winde F, Sachs S, Geipel G, **Nkosi V**, Bouaoun L, **Haman T**, Schüz J, **Mathee A**. Environmental exposure to uranium in a population living in close proximity to gold mine tailings in South Africa. *Journal of Trace Elements in Medicine and Biology*. 2023 Feb 15;77:127141. DOI: 10.1016/j.jtemb.2023.127141

Gender and Health

1. **Gibbs A**, Gumedde D, Adeagbo O, **Sikweyiya Y, Chirwa E, Mkhwanazi S**, Luthuli M, Xulu Z, Herbst C, Zuma T, Hlongwane S, Okesola N, Dreyer J, Khaula S, Washington L, Shahmanesh M. Adaptation and pre-test of a shortened stepping stones and creating futures intervention focused on HIV for young men in rural South Africa. *PLOS Global Public Health*. 2023 Feb 24;3(2):e0001632. DOI: 10.1371/journal.pgph.0001632
2. **Hanass-Hancock J, Bhengu N**, Exner T, **Maguthwa S**, Harrison A, Dolezal C, Miller L, Bauman L, Hoffman S. Masibambane-Ladies Chat: Developing an online gender-enhanced PrEP information-motivation workshop for young South African women. *AIDS Education and Prevention*. 2023 Feb 03;35(1):14-35. DOI: 10.1521/aeap.2023.35.1.14

3. **Sikweyiya YM**, Leon N, Lurie MN, Majola M, Colvin CJ. Soccer clubs as avenues for gender transformative socialization of adolescent boys in Cape Town and Mthatha, South Africa: A qualitative study. *PLoS One*. 2023 Feb 02;18(2):e0280932.
DOI: 10.1371/journal.pone.0280932

Genomics Centre

1. Sheerin D, Lakay F, Esmail H, **Kinnear C**, **Sansom B**, **Glanzmann B**, Wilkinson RJ, Ritchie ME, Coussens AK. Identification and control for the effects of bioinformatic globin depletion on human RNA-seq differential expression analysis. *Scientific Reports*. 2023 Feb 01; 13(1):1859.
DOI: 10.1038/s41598-023-28218-7

Health Systems

1. **Doherty T**, Horwood C, Pereira-Kotze C, du Plessis L, Witten C. Stemming commercial milk formula marketing: Now is the time for radical transformation to build resilience for breastfeeding. *The Lancet*. 2023 Feb 07.
DOI: 10.1016/S0140-6736(23)00095-8
2. **Leon N**, Xu H. Implementation considerations for non-communicable disease-related integration in primary health care: A rapid review of qualitative evidence. *BMC Health Services Research*. 2023 Feb 18;23(1):169.
DOI: 10.1186/s12913-023-09151-x
3. LoVette A, Sullivan A, Kuo C, Operario D, Harrison A, **Mathews C**. Examining associations between resilience and sexual health among South African girls and young women living with and without HIV. *AIDS Education and Prevention*. 2023 Feb 03;35(1):1-13.
DOI: 10.1521/aeap.2023.35.1.1
4. Makadzange AT, Gundidza P, Lau C, **Dietrich J**, Myburgh N, Elohe N, James W, Stanberry L, Ndhlovu C. Investigating attitudes, motivations and key influencers for COVID-19 vaccination uptake among late adopters in urban Zimbabwe. *Vaccines*. 2023 Feb 10;11(2):411.
DOI: 10.3390/vaccines11020411
5. Tricco AC, Nincic V, Darvesh N, Rios P, Khan PA, Ghassemi MM, MacDonald H, Yazdi F, Lai Y, Warren R, Austin A, Cleary O, Baxter NN, Burns KEA, Colyle D, Curran JA, Graham ID, Hawker G, Legare F, Watt J, Witterman HO, Clark JP, Bourgeault IL, Leigh PJ, Ahmed SB, Lawford K, Aiken AB, Langlois EV, McCabe C, Shepperd S, Skidmore B, Pattani R, **Leon N**, Lundine J, Adisso EL, El-Adhami W, Strauss SE. Global evidence of gender equity in academic health research: A scoping review. *BMJ Open*. 2023 Feb 15;13(2):e067771.
DOI: 10.1136/bmjopen-2022-067771

HIV and Other Infectious Diseases

1. Gumede MIL, **Daniels B**, Coutsooudis A, Swe Swe-Han K. Postpasteurization testing of human milk sterility at human milk banks in resource-limited settings: An alternative to standard microbiological quality testing. *Breastfeeding Medicine*. 2023 Feb 28.
DOI: 10.1089/bfm.2022.0215
2. Myburgh H, Baloyi D, **Loveday M**, Meehan SA, Osman M, Wademan D, Hesseling A, Hoddinott G. A scoping review of patient-centred tuberculosis care interventions: Gaps and opportunities. *PLOS Global Public Health*. 2023 Feb 02;3(2):e0001357.
DOI: 10.1371/journal.pgph.0001357

- Nicholson TJ, Hoddinott G, Seddon JA, Claassens MM, van der Zalm MM, Lopez E, Bock P, Caldwell J, Da Costa D, de Vaal C, Dunbar R, Du Preez K, Hesseling AC, Joseph K, Kriel E, **Loveday M**, Marx FM, Meehan SA, Purchase S, Naidoo K, Naidoo L, Solomon-Da Costa F, Sloot R, Osman M. A systematic review of risk factors for mortality among tuberculosis patients in South Africa. *Systematic Reviews*. 2023 Feb 23;12(1):23.
DOI: 10.1186/s13643-023-02175-8

Non-Communicable Disease

- Gannon BM, Sombié OO, Zeba AN, Nama GM, Bekele TH, Woldeyohannes M, **van Stuijvenberg ME**, Dhansay MA, Urrio EM, Kaliwile C, Chileshe J, Kalungwana N, Davis CR, Grahm M, Tanumihardjo SA. Comparison of total body vitamin A stores using individual versus population ¹³C-natural abundance of serum retinol in preschool children and women residing in 6 diverse African countries. *Journal of Nutrition*. 2023 Feb 6.
DOI: 10.1016/j.tjnut.2023.02.002
- Pereira-Kotze C, **Faber M**, Kannemeyer L, Doherty T. Access to maternity protection and potential implications for breastfeeding practices of domestic workers in the Western Cape of South Africa. *International Journal of Environmental Research and Public Health*. 2023 Feb 04; 20(4):2796.
DOI: 10.3390/ijerph20042796
- Ras J, **Kengne AP**, Smith DL, Soteriades ES, Leach L. Association between cardiovascular disease risk factors and cardiorespiratory fitness in firefighters: A systematic review and meta-analysis. *International Journal of Environmental Research and Public Health*. 2023 Feb 05; 20(4):2816.
DOI: 10.3390/ijerph20042816
- Sekgala MD, Opperman M, Mpahleni B, **Mchiza ZJ**. Sociodemographic and lifestyle factors and the risk of metabolic syndrome in taxi drivers: A focus on street food. *Frontiers in Nutrition*. 2023 Feb 23;10:1112975.
DOI: 10.3389/fnut.2023.1112975

Office of the President/Vice-President

- Chang AY, **Zühlke L**, Ribeiro ALP, Barry M, Okello E, Longenecker CT. What we lost in the fire: Endemic tropical heart diseases in the time of COVID-19. *The American Journal of Tropical Medicine and Hygiene*. 2023 Feb 06;108(3):462-464.
DOI: 10.4269/ajtmh.22-0514

Primate

- Khoza S**, Ghai M, **Chauke CG**, **Magwebu ZE**. The association between genetic variants and GeneExpression in RAAS Genes using captive-bred vervet monkeys (*Chlorocebus aethiops*). *Advances in Cell and Gene Therapy*. 2023 Feb 17;2023:6344652.
DOI: 10.1155/2023/6344652

South African Cochrane Centre

- Couch MA, **Katoto PDMC**, Cinini SF, **Wiysonge CS**. Integrating civil liberty and the ethical principle of autonomy in building public confidence to reduce COVID-19 vaccination inequity in Africa. *Human Vaccines & Immunotherapeutics*. 2023 Feb 20.
DOI: 10.1080/21645515.2023.2179789

2. EXTRAMURAL RESEARCH UNITS

Antibody Immunity

1. Hysenaj L, Little S, Kulhanek K, Magnen M, Bahl K, Gbenedio OM, Prinz M, Rodriguez L, Andersen C, Rao AA, Shen A, Lone JC, Lupin-Jimenez LC, Bonser LR, Serwas NK, Mick E, Khalid MM, Taha TY, Kumar R, Li JZ, Ding VW, Matsumoto S, Maishan M, Sreekumar B, Simoneau C, Nazarenko I, Tomlinson MG, Khan K, **von Gottberg A**, Sigal A, Looney MR, Fragiadakis GK, Jablons DM, Langelier CR, Matthay M, Krummel M, Erle DJ, Combes AJ, Sil A, Ott M, Kratz JR, Roose JP. SARS-CoV-2 infection of airway organoids reveals conserved use of Tetraspanin-8 by Ancestral, Delta, and Omicron variants. *Stem Cell Reports*. 2023 Feb 23.
DOI: 10.1016/j.stemcr.2023.01.011
2. O'Kennedy MM, Abolnik C, Smith T, **Motlou T**, Goosen K, Sepotokele KM, Roth R, du Preez I, Truys A, Stark HC, Magwaza M, Mahanjana O, Verschoor JA, **Moore PL**, Lemmer Y. Immunogenicity of adjuvanted plant-produced SARS-CoV-2 Beta spike VLP vaccine in New Zealand white rabbits. *Vaccine*. 2023 Feb 27.
DOI: 10.1016/j.vaccine.2023.02.050

Antiviral Gene Therapy

1. Whiteley Z, Massaro G, Gkogkos G, Gavriilidis A, **Waddington SN**, Rahim AA, Craig DQM. Microfluidic production of nanogels as alternative triple transfection reagents for the manufacture of adeno-associated virus vectors. *Nanoscale*. 2023 Feb 28.
DOI: 10.1039/d2nr06401d

Bioinformatics Capacity Development

1. **Eshibona N, Livesey M, Christoffels A, Bendou H**. Investigation of distinct gene expression profile patterns that can improve the classification of intermediate-risk prognosis in AML patients. *Frontiers in Genetics*. 2023 Feb 14;14:1131159.
DOI: 10.3389/fgene.2023.1131159

Cardiometabolic Health

1. **Raghubeer S**. The influence of epigenetics and inflammation on cardiometabolic risks. *Seminars in Cell and Developmental Biology*. 2023 Feb 16.
DOI: 10.1016/j.semcdb.2023.02.006

Centre for Antimicrobial Resistance

1. Domínguez J, Boeree MJ, Cambau E, Chesov D, Conradie F, Cox V, **Dheda K**, Dudnyk A, Farhat MR, Gagneux S, Grobusch MP, Gröschel MI, Guglielmetti L, Kontsevaya I, Lange B, van Leth F, Lienhardt C, Mandalakas AM, Maurer FP, Merker M, Miotto P, Molina-Moya B, Morel F, Niemann S, Veziris N, Whitelaw A, Horsburgh CR, Lange C, TBnet and RESIST-TB networks. Clinical implications of molecular drug resistance testing for Mycobacterium tuberculosis: A 2023 TBnet/RESIST-TB consensus statement. *The Lancet Infectious Diseases*. 2023 Feb 28.
DOI: 10.1016/S1473-3099(22)00875-1
2. **Pietersen E, Anderson K**, Cox H, **Dheda K**, Bian A, Shepherd BE, Sterling TR, Warren RM, van der Heijden YF. Variation in missed doses and reasons for discontinuation of anti-tuberculosis drugs during hospital treatment for drug-resistant tuberculosis in South Africa. *PLoS One*. 2023 Feb 13;18(2):e0281097.
DOI: 10.1371/journal.pone.0281097

Child and Adolescent Lung Health

1. Feil D, Abrishamcar S, Christensen GM, **Vanker A**, Koen N, Kilanowski A, Hoffman N, **Wedderburn CJ**, **Donald KA**, Kobor MS, **Zar HJ**, Stein DJ, Hüls A. DNA methylation as a potential mediator of the association between indoor air pollution and neurodevelopmental delay in a South African birth cohort. *Clinical Epigenetics*. 2023 Feb 28;15(1):31. DOI: 10.1186/s13148-023-01444-6
2. Langan SM, Mulick AR, Rutter CE, Silverwood RJ, Asher I, Garcia-Marcos L, Ellwood E, Bissell K, Chiang CY, Sony AE, Ellwood P, Marks GB, Mortimer K, Martinez-Torres AE, Morales E, Perez-Fernandez V, Robertson S, Williams HC, Strachan DP, Pearce N, the Global Asthma Network Phase I Study Group, includes: [**Zar HJ**]. Trends in eczema prevalence in children and adolescents: A Global Asthma Network Phase I study. *Clinical and Experimental Allergy*. 2023 Feb 08. DOI: 10.1111/cea.14276
3. Martinez L, **Gray DM**, **Botha M**, **Nel M**, **Chaya S**, **Jacobs C**, **Workman L**, **Nicol M**, **Zar HJ**. The long-term impact of early-life tuberculosis disease on child health: A prospective birth cohort study. *American Journal of Respiratory and Critical Care Medicine*. 2023 Feb 3. DOI: 10.1164/rccm.202208-1543OC
4. Olbrich L, Nliwasa M, Sabi I, Ntinginya NE, Khosa C, Banze D, Corbett EL, Semphere R, Verghese VP, Michael JS, Graham SM, Egere U, Schaaf HS, Morrison J, McHugh TD, Song R, Nabeta P, Trollip A, Geldmacher C, Hoelscher M, **Zar HJ**, Heinrich N, RaPaed-AIDA-TB Consortium. Rapid and Accurate Diagnosis of Pediatric Tuberculosis Disease (RaPaed-TB): A diagnostic accuracy study for pediatric tuberculosis. *The Pediatric Infectious Disease Journal*. 2023 Feb 16. DOI: 10.1097/INF.0000000000003853
5. Stein RT, **Zar HJ**. RSV through the COVID-19 pandemic: Burden, shifting epidemiology and implications for the future. *Pediatric Pulmonology*. 2023 Feb 21. DOI: 10.1002/ppul.26370

Developmental Pathways for Health

1. Belus JM, Msimango LI, **van Heerden A**, Magidson JF, Bradley VD, Mdakane Y, **van Rooyen H**, Barnabas RV. Barriers, facilitators, and strategies to improve participation of a couple-based intervention to address women's antiretroviral therapy adherence in KwaZulu-Natal, South Africa. *International Journal of Behavioral Medicine*. 2023 Feb 28. DOI: 10.1007/s12529-023-10160-7
2. **Cohen E**, Slemming W, **Wrottesley SV**, **Prioreschi A**, **Norris SA**. Maternal perceptions of infant's body weight and childhood obesity in South Africa: A qualitative study in Soweto. *Children and Society*. 2023 Feb 19. DOI: 10.1111/chso.12689
3. Fischer PR, Sempos CT, **Pettifor JM**, Fraser DR, Munns CF, Durazo-Arvizu RA, Thacher TD. Serum 1,25-dihydroxyvitamin D levels in the diagnosis and pathogenesis of nutritional rickets - a multivariable re-analysis of a case-control study. *American Journal of Clinical Nutrition*. 2023 Feb 18. DOI: 10.1016/j.ajcnut.2023.02.011
4. Honda T, Tran T, Popplestone S, **Draper CE**, Yousafzai AK, Romero L, Fisher J. Parents' mental health and the social-emotional development of their children aged between 24 and 59 months in low-and middle-income countries: A systematic review and meta-analyses. *SSM - Mental Health*. 2023 Feb 19. DOI: 10.1016/j.ssmmh.2023.100197

5. Isehunwa OO, Ntinga X, Msimango L, Smith PM, **van Heerden A**, Matthews LT. Opportunities to leverage reproductive goals and ideals among South African men to promote HIV testing, treatment and prevention: A qualitative study. *Global Public Health*. 2023 Feb 20; 18(1):2172795. DOI: 10.1080/17441692.2023.2173795
6. Kariippanon KE, Hongyan G, Aguilar-Farias N, Hamdouchi AE, Lubree H, **Draper CE**. Voices of children on movement behaviours in the early years: Reflections from six diverse country settings. *International Journal of Qualitative Methods*. 2023 Feb 27. DOI: 10.1177/16094069231159791
7. **Kim AW**, Lambert M, **Norris SA**, **Mendenhall E**. Perceptions and experiences of prostate cancer patients in a public tertiary hospital in urban South Africa. *Ethnicity & Health*. 2023 Feb 6. DOI: 10.1080/13557858.2023.2174253
8. Knight L, Humphries H, Van der Pol N, Ncobo N, Essack Z, **Rochat T**, van Rooyen H. 'A difficult conversation': Community stakeholders' and key informants' perceptions of the barriers to talking about sex and HIV with adolescents and young people in KwaZulu-Natal, South Africa. *Culture, Health & Sexuality*. 2023 Feb 20. DOI: 10.1080/13691058.2023.2178674
9. **Madanhire T**, Goedecke JH, **Ward KA**, Jaff N, Crowther NJ, **Norris S**, Ferrand RA, Rehman AM, **Micklesfield LK**, **Gregson CL**. The impact of human immunodeficiency virus and menopause on bone mineral density: A longitudinal study of urban-dwelling South African women. *Journal of Bone and Mineral Research*. 2023 Feb 01. DOI: 10.1002/jbmr.4765
10. **Mapanga W**, **Norris SA**, Craig A, Ayeni OA, Chen WC, Jacobson JS, Neugut AI, Ruff P, Cubasch H, O'Neil DS, Buccimazza I, Čačala S, Stopforth LW, Farrow HA, Nietz S, Phakathi B, Chirwa T, McCormack VA, Joffe M. Drivers of disparities in stage at diagnosis among women with breast cancer: South African breast cancers and HIV outcomes cohort. *PLoS One*. 2023 Feb 16;18(2):e0281916. DOI: 10.1371/journal.pone.0281916
11. **Mukoma G**, **Norris SA**, **Chikowore T**. Nutrient patterns and body mass index: A Comparative longitudinal analysis in urban black South African adolescents and adults. *Nutrients*. 2023 Feb 21;15(5):1075. DOI: 10.3390/nu15051075
12. **Muti M**, **Ware LJ**, **Micklesfield LK**, Ramsay M, Agongo G, Boua PR, Kisiangani I, Cook I, Gómez-Olivé FX, Crowther NJ, Kabudula C, **Norris SA**, **Chikowore T**. Physical activity and its association with body mass index: A cross-sectional analysis in middle-aged adults from 4 sub-Saharan African countries. *Journal of Physical Activity & Health*. 2023 Feb 6;20(3): 217-225. DOI: 10.1123/jpah.2022-0539
13. Soremekun C, Machipisa T, Soremekun O, Pirie F, Oyekanmi N, Motala AA, **Chikowore T**, Fatumo S. Multivariate GWAS analysis reveals loci associated with liver functions in continental African populations. *PLoS One*. 2023 Feb 21;18(2):e0280344. DOI: 10.1371/journal.pone.0280344

Drug Discovery and Development

1. Byl JAW, Mueller R, Bax B, Basarab GS, **Chibale K**, Osheroff N. A series of spiropyrimidinetriones that enhances DNA cleavage mediated by *Mycobacterium tuberculosis* gyrase. ACS Infectious Diseases. 2023 Feb 20. DOI: 10.1021/acsinfecdis.3c00012
2. Okombo J, Kumar M, Redhi D, **Wicht KJ**, Wiesner L, Egan TJ, **Chibale K**. Pyrido-dibemequine metabolites exhibit improved druglike features, inhibit hemozoin formation in *Plasmodium falciparum*, and synergize with clinical antimalarials. ACS Infectious Diseases. 2023 Feb 20. DOI: 10.1021/acsinfecdis.2c00592
3. **Woodland JG**, Basarab GS, Mogwera K, Winks S, **Chibale K**. The 2022 H3D Symposium: Celebrating over a decade of African-led infectious disease drug discovery to enhance global health. ACS Infectious Diseases. 2023 Feb 10;9(3):389-393. DOI: 10.1021/acsinfecdis.3c00041

Gynaecological Cancer

1. Khumalo F, **Passmore JS**, Manhanzva M, Meyer B, Duyver M, Lurie M, Tanko RF, Masson L. Shifting the power: Scale-up of access to point-of-care and self-testing for sexually transmitted infections in low-income and middle-income settings. Current Opinion in Infectious Diseases. 2023 Feb 01;36(1):49-56. DOI: 10.1097/QCO.0000000000000895

Health Services to Systems

1. Etiaba E, Eboreime EA, Dalglish SL, **Lehmann U**. Aspirations and realities of intergovernmental collaboration in national-level interventions: Insights from maternal, neonatal and child health policy processes in Nigeria, 2009-2019. BMJ Global Health. 2023 Feb 21;8(2):e010186. DOI: 10.1136/bmjgh-2022-010186
2. Jacobs T, George AS. How gender is socially constructed in policy making processes: A case study of the adolescent and youth health policy in South Africa. International Journal for Equity in Health. 2023 Feb 24;22(1):36. DOI: 10.1186/s12939-022-01819-w
3. **Schneider H**, Kredo T, Odendaal WA, Abdullah F. Healthcare delivery: What are health policy and systems research priorities for universal health coverage in South Africa? South African Medical Journal. 2023 Feb 01;113(2):61-64. DOI: 10.7196/SAMJ.2023.v113i2.16798

Herbal Drugs

1. Orchard A, Moosa T, Motala N, Kamatou G, **Viljoen A**, Vuuren SV. Commercially available *Viola odorata* oil, chemical variability and antimicrobial activity. Molecules. 2023 Feb 09;28(4):1676. DOI: 10.3390/molecules28041676

HIV/TB Pathogenesis and Treatment

1. Manyana S, Pillay M, Gounder L, Khan A, Moodley P, **Naidoo K**, Chimukangara B. Affordable drug resistance genotyping of HIV-1 reverse transcriptase, protease and integrase genes, for resource limited settings. AIDS Research and Therapy. 2023 Feb 09;20(1):9. DOI: 10.1186/s12981-023-00505-3

Maternal and Infant Health Care Strategies

1. **Nel S, Feucht UD, Mulol H, Wenhold FA.** Association of prenatal placental function with anthropometry and body composition through two years of age in South African infants: The UmbiBaby study. *The Journal of Nutrition*. 2023 Feb 10. DOI: 10.1016/j.tjnut.2023.02.007

Microbial Water Quality Monitoring

1. **Adeniji OO, Nontongana N, Okoh AI.** Prevalence of Class 1 integron and in vitro effect of antibiotic combinations of multidrug-resistant *enterococcus* species recovered from the aquatic environment in the Eastern Cape Province, South Africa. *International Journal of Molecular Sciences*. 2023 Feb 03;24(3):2993. DOI: 10.3390/ijms24032993
2. **Igbinsola IH, Amolo CN, Beshiru A, Akinnibosun O, Ogofure AG, El-Ashker M, Gwida M, Okoh AI, Igbinsola EO.** Identification and characterization of MDR virulent salmonella spp isolated from smallholder poultry production environment in Edo and Delta States, Nigeria. *PLoS One*. 2023 Feb 03;18(2):e0281329. DOI: 10.1371/journal.pone.0281329
3. **Kokwe L, Nnolim NE, Ezeogu LI, Sithole B, Nwodo UU.** Thermoactive metallo-keratinase from *Bacillus* sp. NFH5: Characterization, structural elucidation, and potential application as detergent additive. *Heliyon*. 2023 Feb 13;9(2):e13635. DOI: 10.1016/j.heliyon.2023.e13635

Precision and Genomic Medicine

1. **Chambuso R, Mthembu M, Kaambo E, Robertson B, Ramesar R.** Immunogenomic biomarkers and validation in Lynch Syndrome. *Cells*. 2023 Feb 02;12(3):491. DOI: 10.3390/cells12030491
2. **Majara L, Kalungi A, Koen N, Tsuo K, Wang Y, Gupta R, Nkambule LL, Zar H, Stein DJ, Kinyanda E, Atkinson EG, Martin AR.** Low and differential polygenic score generalizability among African populations due largely to genetic diversity. *HGG Advances*. 2023 Feb 13; 4(2):100184. DOI: 10.1016/j.xhgg.2023.100184

Precision Oncology

1. **Khan N, Kalam MA, Alam MT, Haq SAU, Showket W, Dar ZA, Rafiq N, Mushtaq W, Rafeeqi TA, Dar MY, Akbar S, Butt TA, Gani R, Majeed U, Chaudhary AA, Rudayni HA, Al-Zharani M, Shilbayeh SAR, Binsaleh AY, El-Sheikh AAK, **Dlamini Z**, Wani SH, Khan S, Masoodi KZ.** Drug standardization through pharmacognostic approaches and estimation of anticancer potential of chamomile (*matricaria chamomilla L.*) using prostate-cancer cell lines: An in-vitro study. *Journal of Cancer*. 2023 Feb 05;14(3):490-504. DOI: 10.7150/jca.77110

Risk and Resilience in Mental Disorders

1. **Hiscox LV, Fairchild G, Donald KA, Groenewold NA, Koen N, Roos A, Narr KL, Lawrence M, Hoffman N, Wedderburn CJ, Barnett W, Zar HJ, Stein DJ, Halligan SL.** Antenatal maternal intimate partner violence exposure is associated with sex-specific alterations in brain structure among young infants: Evidence from a South African birth cohort. *Developmental Cognitive Neuroscience*. 2023 Feb 06. DOI: 10.1016/j.dcn.2023.101210

2. McWhinney SR, Abé C, Alda M, Benedetti F, Bøen E, Del Mar Bonnin C, Borgers T, Brosch K, Canales-Rodríguez EJ, Cannon DM, Dannlowski U, Diaz-Zuluaga AM, Dietze LMF, Elvsåshagen T, Eyler LT, Fullerton JM, Goikolea JM, Goltermann J, Grotegerd D, Haarman BCM, Hahn T, Howells FM, Ingvar M, Jahanshad N, Kircher TTJ, Krug A, Kuplicki RT, Landén M, Lemke H, Liberg B, Lopez-Jaramillo C, Malt UF, Martyn FM, Mazza E, McDonald C, McPhilemy G, Meier S, Meinert S, Meller T, Melloni EMT, Mitchell PB, Nabulsi L, Nenadic I, Opel N, Ophoff RA, Overs BJ, Pfarr JK, Pineda-Zapata JA, Pomarol-Clotet E, Raduà J, Repple J, Richter M, Ringwald KG, Roberts G, Ross A, Salvador R, Savitz J, Schmitt S, Schofield PR, Sim K, **Stein DJ**, Stein F, Temmingh HS, Thiel K, Thomopoulos SI, van Haren NEM, Vargas C, Vieta E, Vreeker A, Waltemate L, Yatham LN, Ching CRK, Andreassen OA, Thompson PM, Hajek T, ENIGMA Bipolar Disorder Working Group. Mega-analysis of association between obesity and cortical morphology in bipolar disorders: ENIGMA study in 2832 participants. *Psychological Medicine*. 2023 Feb 27.
DOI: 10.1017/S0033291723000223
3. **Omrawo C**, Ioannidis K, Grant JE, Lutz N, Chamberlain SR, **Stein DJ**, Tiego J, Kidd M, **Lochner C**. A cross-national validation of the Internet Severity and Activities Addiction Questionnaire (ISAAQ). *Comprehensive Psychiatry*. 2023 Feb 13.
DOI: 10.1016/j.comppsy.2023.152378
4. Stevenson A, Beltran M, Misra S, Ametaj AA, Bronkhorst A, Gelaye B, Koenen KC, Pretorius A, **Stein DJ**, Zingela Z. Trauma exposure and psychometric properties of the life events checklist among adults in South Africa *European Journal of Psychotraumatology*. 2023 Feb 03;14(1):2172257.
DOI: 10.1080/20008066.2023.2172257

Rural Public Health and Health Transition

1. Briend A, Myatt M, Berkley JA, Black RE, Boyd E, **Garenne M**, Lelijveld N, Isanaka S, McDonald CM, Mwangome M, O'Brien KS, Schwinger C, Stobaugh H, Taneja S, West KP, Khara T. Prognostic value of different anthropometric indices over different measurement intervals to predict mortality in 6-59-month-old children. *Public Health Nutrition*. 2023 Feb 01.
DOI: 10.1017/S1368980023000149
2. Greuel M, Sy F, Bärnighausen T, Adam M, Vandormael A, Gates J, **Harling G**. Community health worker use of smart devices for health promotion: Scoping review. *JMIR mHealth and uHealth*. 2023 Feb 22;11:e42023.
DOI: 10.2196/42023
3. Khara T, Myatt M, Sadler K, Bahwere P, Berkley JA, Black RE, Boyd E, **Garenne M**, Isanaka S, Lelijveld N, McDonald C, Mertens A, Mwangome M, O'Brien K, Stobaugh H, Taneja S, West KP, Briend A. Anthropometric criteria for best-identifying children at high risk of mortality: A pooled analysis of twelve cohorts. *Public Health Nutrition*. 2023 Feb 3;26(4):1-17.
DOI: 10.1017/S136898002300023X
4. Payne CF, Liwin LK, **Wade AN**, **Houle B**, **Du Toit JD**, Flood D, Manne-Goehler J. Impact of diabetes on longevity and disability-free life expectancy among older South African adults: A prospective longitudinal analysis. *Diabetes Research and Clinical Practice*. 2023 Feb 11.
DOI: 10.1016/j.diabres.2023.110577

Vaccine and Infectious Diseases Analytics

1. Bebia Z, Reyes O, Jeanfreau R, Kantele A, De Leon RG, García Sánchez M, Banooni P, Gardener GJ, Bartha Rasero JL, Encinas Pardilla MB, Langley JM, Di Leo CM, Botelho-Nevers E, Buttery J, Laurichesse H, **Madhi SA**, García AM, Stanley T, Barjat T, Griffith R, Castrejón-Alba MM, de Heusch M, Dieussaert I, Hercor M, Lese P, Qian H, Tullio AN, Henry O. Safety and immunogenicity of an investigational respiratory syncytial virus vaccine (RSVPreF3) in mothers and their infants: A phase 2 randomized trial. *The Journal of Infectious Diseases*. 2023 Feb 01.
DOI: 10.1093/infdis/jiad024
2. Cohen C, Pulliam J. COVID-19 infection, reinfection, and the transition to endemicity. *The Lancet*. 2023 Feb 16.
DOI: 10.1016/S0140-6736(22)02634-4
3. **Dangor Z, Kwatra G**, Pawlowski A, Fisher PB, **Izu A**, Lala SG, Johansson-Lindbom B, **Madhi SA**. Association of infant rib and Alp1 surface protein N-terminal domain immunoglobulin G and invasive Group B streptococcal disease in young infants. *Vaccine*. 2023 Feb 06.
DOI: 10.1016/j.vaccine.2023.01.071
4. Hooli S, King C, McCollum ED, Colbourn T, Lufesi N, Mwansambo C, Gregory CJ, Thamthitiwat S, Cutland C, **Madhi SA**, **Nunes MC**, Gessner BD, Hazir T, Mathew JL, Addo-Yobo E, Chisaka N, Hassan M, Hibberd PL, Jeena P, Lozano JM, MacLeod WB, Patel A, Thea DM, Nguyen NTV, Zaman SM, Ruvinsky RO, Lucero M, Kartasasmita CB, Turner C, Asghar R, Banajeh S, Iqbal I, Maulen-Radovan I, Mino-Leon G, Saha SK, Santosham M, Singhi S, Awasthi S, Bavdekar A, Chou M, Nymadawa P, Pape JW, Paranhos-Baccala G, Picot VS, Rakoto-Andrianarivelo M, Rouzier V, Russomando G, Sylla M, Vanhems P, Wang J, Basnet S, Strand TA, Neuman MI, Arroyo LM, Echavarria M, Bhatnagar S, Wadhwa N, Lodha R, Aneja S, Gentile A, Chadha M, Hirve S, O'Grady KF, Clara AW, Rees CA, Campbell H, Nair H, Falconer J, Williams LJ, Horne M, Qazi SA, Nisar YB, Pneumonia REsearch Partnership to Assess WHO REcommendations (PREPARE) study group. In-hospital mortality risk stratification in children aged under 5 years with pneumonia with or without pulse oximetry: A secondary analysis of the pneumonia Research partnership to assess WHO recommendations (PREPARE) dataset. *International Journal of Infectious Diseases*. 2023 Feb 16.
DOI: 10.1016/j.ijid.2023.02.005
5. **Madhi SA, Kwatra G**, Myers JE, Jassat W, **Dhar N**, **Mukendi CK**, Blumberg L, Welch R, **Izu A**, **Mutevedzi PC**. Sustained low incidence of severe and fatal COVID-19 following widespread infection induced immunity after the Omicron (BA.1) dominant in Gauteng, South Africa: An observational study. *Viruses*. 2023 Feb 21;15(3):597.
DOI: 10.3390/v15030597
6. Smith M, **Kwatra G**, **Izu A**, Nel A, Cutland C, Ahmed K, **Baillie V**, Barnabas S, Borat Q, Briner C, Lazarus E, Dheda K, Fairlie L, **Koen A**, **Madhi S**, Blackburn JM. Longitudinal IgA and IgG Response, and ACE2 binding blockade, to full-length SARS-CoV-2 spike protein variants in a population of black PLWH vaccinated with ChAdOx1 nCoV-19. *Viruses*. 2023 Feb 06;15(2):448.
DOI: 10.3390/v15020448
7. **Steenberg B**, Sokani A, **Myburgh N**, Mutevedzi P, **Madhi SA**. COVID-19 Vaccination rollout: Aspects of hesitancy in South Africa. *Vaccines*. 2023 Feb 10;11(2):407.
DOI: 10.3390/vaccines1102040

3. GRANT FUNDED RESEARCH

1. Adepoju VA, Adelekan A, **Oladimeji O**. Stocking practices of anti-tuberculosis medications among community pharmacists and patent proprietary medicine vendors in two states in Nigeria. *Healthcare*. 2023 Feb 15;11(4):584.
DOI: 10.3390/healthcare11040584
2. Adesina A, Adeniyi O, **Mashazi P**. Online regeneration of a piezoelectric and impedimetric immunosensor for the detection of C-reactive protein on the oriented antibody gold surface. *Analytical Methods*. 2023 Feb 03;15(9):1157-1167.
DOI: 10.1039/d2ay01245f
3. Amiebenomo OM, Osuagwu UL, Envuladu EA, Miner CA, **Mashige KP**, Ovenseri-Ogbomo G, Abu EK, Timothy CG, Ekpenyong BN, Langsi R, Oloruntoba R, Goson PC, Charwe DD, Ishaya T, Agho KE. Acceptance and risk perception of COVID-19 vaccination among pregnant and non pregnant women in sub-Saharan Africa: A cross-sectional matched-sample study. *Vaccines*. 2023 Feb 20;11(2):484.
DOI: 10.3390/vaccines11020484
4. Berghoff NM, **Wilmschurst JM**, Page TA, Wessels M, Schlegel B, Malcolm-Smith S. Determining the neurocognitive profile of children with tuberous sclerosis complex within the Western Cape region of South Africa. *Journal of Intellectual Disability Research*. 2023 Feb 14.
DOI: 10.1111/jir.13009
5. Cartwright AF, Callahan RL, **Beksinska M**, Kasaro MP, Tang JH, **Milford C**, Wong C, Velarde M, **Maphumulo V**, Fawzy M, Chinyama M, Chabu E, Mudenda M, **Smit J**. Contraceptive continuation and experiences obtaining implant and IUD removal among women randomized to use injectable contraception, levonorgestrel implant, and copper IUD in South Africa and Zambia. *Studies in Family Planning*. 2023 Feb 01.
DOI: 10.1111/sifp.12222
6. Chamboko CR, Veldman W, **Tata RB**, Schoeberl B, Tastan Bishop Ö. Human cytochrome P450 1, 2, 3 families as pharmacogenes with emphases on their antimalarial and antituberculosis drugs and prevalent African alleles. *International Journal of Molecular Sciences*. 2023 Feb 08;24(4):3383.
DOI: 10.3390/ijms24043383
7. Chapman R, van Diepen M, Douglass N, Hermanus T, **Moore PL**, Williamson AL. Needle-free devices and CpG-adjuvanted DNA improve anti-HIV antibody responses of both DNA and modified vaccinia ankara-vectored candidate vaccines. *Vaccines*. 2023 Feb 07; 11(2):376.
DOI: 10.3390/vaccines11020376
8. Cromhout A, **Schutte L**, Wissing MP, Fadji AW, Guse T, Mbow S. Psychometric properties of the harmony in life scale in South African and Ghanaian samples. *African Journal of Psychological Assessment*. 2023 Feb 28;5(2023):a122.
DOI: 10.4102/ajopa.v5i0.122
9. du Plessis M, Fourie C, Stone W, **Engelbrecht AM**. The impact of endocrine disrupting compounds and carcinogens in wastewater: Implications for breast cancer. *Biochimie*. 2023 Feb 11.
DOI: 10.1016/j.biochi.2023.02.006

10. Gokul A, **Arumugam T**, **Ramsuran V**. Genetic ethnic differences in human 2'-5'-oligoadenylate synthetase and disease associations: A systematic review. *Genes*. 2023 Feb 19;14(2):527.
DOI: 10.3390/genes14020527
11. Green B, Goon DT, Mtise T, **Oladimeji O**. A cross-sectional study of professional nurses' knowledge, attitudes, and practices regarding organ donation in critical care units of public and private hospitals in the Eastern Cape, South Africa. *Nursing Reports*. 2023 Feb 13;13(1): 255-264.
DOI: 10.3390/nursrep13010024
12. Islam MM, Farag E, Hassan MM, Jaffrey SS, Atta M, Al-Marri AM, Al-Zeyara AM, Al Romaihi H, Bansal D, **Mkhize-Kwitshana ZL**. Rodent-borne zoonoses in Qatar: A possible one-health framework for the intervention of future epidemic. *One Health*. 2023 Feb 26.
DOI: 10.1016/j.onehlt.2023.100517
13. **Khaliq OP**, Phoswa WN, Moodley J. The effectiveness of the Congo Red Dot paper test in hypertensive disorders of pregnancy: A systematic review and meta-analysis. *Frontiers in Reproductive Health*. 2023 Feb 13;5:1120937.
DOI: 10.3389/frph.2023.1120937
14. Leisegang K, Finelli R, Mounkala L, Moichela F, **Pearce K**, Ramasamy R, Henkel R. The impact of COVID-19 vaccines on male semen parameters: A retrospective cohort study. *Andrologia*. 2023 Feb 07;2023:7826568.
DOI: 10.1155/2023/7826568
15. Lesmes-Rodríguez LC, Lambarey H, Chetram A, Riou C, Wilkinson RJ, Joyimbana W, Jennings L, Orrell C, Jaramillo-Hernández DA, **Schäfer G**. Previous exposure to common coronavirus HCoV-NL63 is associated with reduced COVID-19 severity in patients from Cape Town, South Africa. *Frontiers in Virology*. 2023 Feb 08;3:1125448.
DOI: 10.3389/fviro.2023.1125448
16. Madu UL, Ogundeji AO, Pohl CH, Albertyn J, **Sebolai OM**. Primaquine, an antimalarial drug that controls the growth of cryptococcal cells. *Journal of Medical Mycology/ Journal de Mycologie Médicale*. 2023 Feb 11;33(2):101361.
DOI: 10.1016/j.mycmed.2023.101361
17. **Makhoba XH**, Ragno R, Kaiser A, **Agostinelli E**. An undefined interaction between polyamines and heat shock proteins leads to cellular protection in plasmodium falciparum and proliferating cells in various organisms. *Molecules*. 2023 Feb 10;28(4):1686.
DOI: 10.3390/molecules28041686
18. Mbatha NL, **Mokwena KE**. Parental stress in raising a child with developmental disabilities in a rural community in South Africa. *International Journal of Environmental Research and Public Health*. 2023 Feb 23;20(5):3969.
DOI: 10.3390/ijerph20053969
19. Mcinziba A, Wademan D, Viljoen L, Myburgh H, Jennings L, Decloedt E, **Orrell C**, **van Zyl G**, van Schalkwyk M, **Gandhi M**, Hoddinott G. Perspectives of people living with HIV and health workers about a point-of-care adherence assay: A qualitative study on acceptability. *AIDS Care*. 2023 Feb 13.
DOI: 10.1080/09540121.2023.2174928

20. Mullins MO, Smith M, Maboreke H, Nel AJM, **Ntusi NAB, Burgers WA, Blackburn JM**. Epitope coverage of anti-SARS-CoV-2 nucleocapsid IgA and IgG antibodies correlates with protection against re-infection by new variants in subsequent waves of the COVID-19 pandemic. *Viruses*. 2023 Feb 20;15(2):584.
DOI: 10.3390/v15020584
21. Nwosu EC, Holmes MJ, Cotton MF, Dobbels E, Little F, Laughton B, van der Kouwe A, Robertson F, **Meintjes EM**. Similar cortical morphometry trajectories from 5 to 9 years in children with perinatal HIV who started treatment before age 2 years and uninfected controls. *BMC Neuroscience*. 2023 Feb 24;24(1):15.
DOI: 10.1186/s12868-023-00783-7
22. Oloche JJ, Oluremi BB, Aruwa CE, **Sabiu S**. Molecular modeling identification of key secondary metabolites from *Xylopia aethiopica* as promising therapeutics targeting essential measles viral proteins. *Evidence-Based Complementary and Alternative Medicine*. 2023 Feb 09;2023:1575358.
DOI: 10.1155/2023/1575358
23. **Padmanabhanunni A**, Pretorius TB, Isaacs SA. We are not islands: The role of social support in the relationship between perceived stress during the COVID-19 pandemic and psychological distress. *International Journal of Environmental Research and Public Health*. 2023 Feb 11; 20(4):3179.
DOI: 10.3390/ijerph20043179
24. Shabangu K, **Essack SY**, Duma SE. Barriers to implementing national action plans on antimicrobial resistance using a one health approach: Policymakers' perspectives from South Africa and Eswatini. *Journal of Global Antimicrobial Resistance*. 2023 Feb 28.
DOI: 10.1016/j.jgar.2023.02.007
25. **Smith CA**, Rohlwink UK, Mauff K, Thango NS, Hina TS, Salie S, Enslin JMN, Figaji AA. Cerebrovascular pressure reactivity has a strong and independent association with outcome in children with severe traumatic brain injury. *Critical Care Medicine*. 2023 Feb 15.
DOI: 10.1097/CCM.0000000000005815
26. **van der Zalm MM**, Dona' D, Rabie H. Pediatric coronavirus disease 2019 in Africa. *Current Opinion in Pediatrics*. 2023 Feb 20.
DOI: 10.1097/MOP.0000000000001230
27. Young C, Suliman S, Rozot V, **Mendelsohn SC**. Meeting report: 6th Global forum on tuberculosis vaccines, 22-25 February 2022, Toulouse, France. *Vaccine: X*. 2023 Feb 4.
DOI: 10.1016/j.jvacx.2023.100267

4. RESEARCH CENTRES

Soweto Matlosana SAMRC Collaborating Centre for HIV/AIDS and TB

1. Stone J, Bothma R, Gomez GB, Eakle R, Mukandavire C, Subedar H, Fraser H, Boily MC, Schwartz S, **Coetzee J**, Ot wombe K, Milovanovic M, Baral S, Johnson LF, Venter WDF, Rees H, Vickerman P. Impact and cost-effectiveness of the national scale-up of HIV pre-exposure prophylaxis among female sex workers in South Africa: A modelling analysis. *Journal of the International AIDS Society*. 2023 Feb 20;26(2):e26063. DOI: 10.1002/jia2.26063

5. CLOSED RESEARCH UNITS

Inter-University Cape Heart

1. Ahmed RK, Abdalrahman T, **Davies NH**, Vermolen F, Franz T. Mathematical model of mechano-sensing and mechanically induced collective motility of cells on planar elastic substrates. *Biomechanics and Modelling in Mechanobiology*. 2023 Feb 23. DOI: 10.1007/s10237-022-01682-2

Molecular Mycobacteriology

1. El Bakali J, Blaszczyk M, **Evans JC**, Boland JA, McCarthy WJ, Fathoni I, Dias MVB, Johnson EO, Coyne AG, **Mizrahi V**, Blundell TL, Abell C, Spry C. Chemical validation of *Mycobacterium tuberculosis* phosphopantetheine adenylyltransferase using fragment linking and CRISPR interference. *Angewandte Chemie*. 2023 Feb 09. DOI: 10.1002/anie.202300221

6. RESEARCH UNITS WITH NO PUBLICATIONS

Intramural

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

Extramural

- Antimicrobial Resistance and Global Health Research
- Centre for Health Economic and Decision Science
- Common Epithelial Cancer Research Centre
- Genomics of Brain Disorders
- Hypertension and Cardiovascular Disease
- Intersection of Non-Communicable Disease and Infectious Disease
- Masculinity and Health Research
- Pan African Centre for Epidemics Research
- Platform for Pharmacogenomics Research and Translation
- South African Population Research Infrastructure Network
- Stem Cell Research and Therapy
- Wound and Keloid Scarring Translational

Research Centre

- Advancing Care and Treatment (ACT) For TB/HIV
- Centre for Basic and Translational Human TB Research
- 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
- TB Free through Research and Innovation
- Tuberculosis Collaborating Centre for Child Health (TB-CHILD)
- Tygerberg SAMRC Collaborating centre for HIV Laboratory Research
- Wits Clinical HIV/TB Research Unit, WITS Health Consortium

7. GRANTS AWARDED

SAMRC LIST OF NEW CONTRACTS FOR FEBRUARY 2023					
SAMRC Unit	Funder	Main Funder	Project Title/Description	Contract Value	
				Rand	Foreign Currency
BOD	National Research Foundation	National Research Foundation	Thuthuka: Dr Edward Nicol	R388,199.00	
HSRU	McMaster University	Canadian Institutes of Health Research	COVID-19 Recommendations and Contextualization (eCovid19RecMap) Extension	R176,630.00	CAD13,000.00
	World Health Organization	World Health Organization	Agreement for performance of work	R2,719,750.00	
OATB	Chancellor Master's and Scholars of the University of Oxford	Children Investment Foundation	Global learning hub for outcome-based approaches	R2,780,825.00	£125,000.00

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