

CELEBRATES SCIENCE



March 2024

1. INTRAMURAL RESEARCH UNITS

Biomedical Research and Innovation Platform

1. Madlala HP, Myer L, Geffen H, Rusch J, Shey MS, Meyer D, **Goedecke JH**, Malaba TR, Gray CM, Newell ML, Jao J. Inflammatory markers in pregnancy are associated with postpartum weight in South African women living with HIV on antiretroviral therapy. *Journal of Acquired Immune Deficiency Syndromes*. 2024 Mar 4.
DOI: 10.1097/QAI.0000000000003406
2. **Riedel S**, Abel S, Burger H-M, Swanevelder S, Gelderblom WCA. Fumonisin B1 protects against long-chained polyunsaturated fatty acid-induced cell death in HepG2 cells – Implications for cancer promotion. *Biochimica et Biophysica Acta (BBA) - Biomembranes*. 2024 Mar 11.
DOI: 10.1016/j.bbamem.2024.184310
3. **Salifu EY**, Faya MA, Abugri J, **Ramharack P**. Unraveling the dual inhibitory mechanism of compound 22ac: A molecular dynamics investigation into ERK1 and ERK5 inhibition in cancer. *Computation*. 2024 Mar 1;12(3):45.
DOI: 10.3390/computation12030045

Biostatistics

1. Hofmeyer GJ, **Singata-Madliki M**, Batting J, **Balakrishna Y**, Morroni C. Effects of depot medroxyprogesterone acetate, the copper IUD and the levonorgestrel implant on testosterone, sex hormone binding globulin and free testosterone levels: Ancillary study of the ECHO randomized clinical trial. *BMC Women's Health*. 2024 Mar 8;24(1):167.
DOI: 10.1186/s12905-024-02990-8
2. Perez-Urbano I, Dilraj A, Pitsi A, Hlongwane N, **Abdelatif N**, Dietrich J, Ahmed K. Strategies to close the PrEP uptake gap among transgender people and men who have sex with men in Tshwane, South Africa: Perspectives from the community. *AIDS and Behavior*. 2024 Mar 1.
DOI: 10.1007/s10461-024-04300-7
3. Singata-Madliki M, Smit J, Beksinska M, **Balakrishna Y**, Avenant C, Beesham I, **Seocharan I**, Batting J, Hapgood JP, Hofmeyr GJ. Effects of injectable contraception with depot medroxyprogesterone acetate or norethisterone enanthate on estradiol levels and menstrual, psychological and behavioral measures relevant to HIV risk: The WHICH randomized trial. *PLoS One*. 2024 Mar 26;19(3):e0295764.
DOI: 10.1371/journal.pone.0295764
4. **Snyders C**, **Sewry N**, Derman W, Eken M, **Jordaan E**, **Swanevelder S**, Schwellnus M. Incidence of respiratory infections and SARS-CoV-2 is higher during contact phases in student rugby players – Lessons learnt from COVID-19 risk mitigation strategies–AWARE V. *Sports Medicine and Health Science*. 2024 Mar 23.
DOI: 10.1016/j.smhs.2024.03.005
5. Wand H, Moodley J, **Reddy T**, Naidoo S. Understanding the impact of women's correct risk perception on human immunodeficiency virus diagnosis: Insights from South Africa. *International Journal of STD & AIDS*. 2024 Mar 16.
DOI: 10.1177/09564624241238525

Centre for Tuberculosis

1. Carter JJ, Walker TM, Walker AS, **Whitfield MG**, Morlock GP, Lynch CI, Adlard D, Peto TEA, Posey JE, Crook DW, Fowler PW. Prediction of pyrazinamide resistance in *Mycobacterium tuberculosis* using structure-based machine-learning approaches. *JAC Antimicrobial Resistance*. 2024 Mar 18.
DOI: 10.1093/jacamr/dlae037

2. Garcia-Basteiro AL, Ehrlich J, Bonnet M, Calnan M, Graham SM, Hermans S, Jarrett A, Lewa R, Mandalakas A, Martinez L, Migliori GB, Ong CWM, Otero L, Rangaka MX, Raviglione MCB, Seaworth B, Ssengooba W, **Theron G**, Trajman A, Behr MA. A global tuberculosis dictionary: Unified terms and definitions for the field of tuberculosis. *The Lancet Global Health*. 2024 Mar 22. DOI: 10.1016/s2214-109x(24)00083-4
3. **Goosen WJ**, Moodley S, **Ghielmetti G**, Moosa Y, Zulu T, Smit T, **Kleynhans L**, **Kerr TJ**, **Streicher EM**, Hanekom WA, **Warren RM**, Wong EB, **Miller MA**. Identification and molecular characterization of *Mycobacterium bovis* DNA in GeneXpert® MTB/RIF ultra-positive, culture-negative sputum from a rural community in South Africa. *One Health*. 2024 Mar 3. DOI: 10.1016/j.onehlt.2024.100702
4. **Nyambo K**, **Tapfuma KI**, **Adu-Amankwaah F**, **Julius L**, **Baatjies L**, Niang IS, **Smith L**, Govender KK, Ngxande M, Watson DJ, Wiesner L, **Mavumengwana V**. Molecular docking, molecular dynamics simulations and binding free energy studies of interactions between *Mycobacterium tuberculosis* Pks13, PknG and bioactive constituents of extremophilic bacteria. *Scientific Reports*. 2024 Mar 21;14(1):6794. DOI: 10.1038/s41598-024-57124-9
5. **Opperman CJ**, Ntshangase Z, Gumede M, **Singh S**, **Ghebrekristos Y**, **Warren R**, **Goosen W**. Misdiagnosis of non-tuberculous mycobacteria as tuberculous by the GeneXpert MTB/RIF ultra: Fact or fiction? *Southern African Journal of Infectious Diseases* 2024 Mar 29;39(1):576. DOI: 10.4102/sajid.v39i1.576
6. Owusu Agyare B, Eder P, Shenai S, **Chendi BH**, Carlson C, Iradukunda A, Mukoka M, Ogony J, Manigart O, Ogbaini-Emovon E, Seida AA, Prado EO, Ghadrshenas A, Carmona S, Tucker JD. Potential implications of the climate crisis on diagnostics. *PLOS Global Public Health*. 2024 Mar 8;4(3):e0002935. DOI: 10.1371/journal.pgph.0002935
7. Petrucciani A, Hoerter A, **Kotze L**, **Du Plessis N**, Pienaar E. In silico agent-based modeling approach to characterize multiple in vitro tuberculosis infection models. *PLoS One*. 2024 Mar 22;19(3):e0299107. DOI: 10.1371/journal.pone.0299107
8. Wooten MT, **Witte C**, Sutherland-Smith M, Gaffney PM, Conlon KC. A retrospective evaluation of morbidity and mortality in association with infestation by the mite *sternostoma tracheacolum* in an aviary-housed population of gouldian finches (*Chloebea Gouldiae*). *Journal of Zoo and Wildlife Medicine*. 2024 Mar 5;55(1):57-66. DOI: 10.1638/2023-0057

Environment and Health

1. **Mahlangeni N**, **Kapwata T**, **Laban T**, **Wright CY**. Health risks of exposure to air pollution in areas where coal-fired power plants are located: Protocol for a scoping review. *BMJ Open*. 2024 Mar 19;14(3):e084074. DOI: 10.1136/bmjopen-2024-084074
2. Olojede SO, Lawal SK, **Mahlangeni N**, Shelembe B, Matshipi MN, Moodley R, Rennie CO, Naidu EC, Azu OO. Synthesis and characterization of a conjugate of silver nanoparticles loaded with tenofovir disoproxil fumarate. *Next Nanotechnology*. 2024 Mar 7;5:100058. DOI: 10.1016/j.nxnano.2024.100058
3. **Shezi B**, Mendoza H, Govindasamy D, Casas L, Balakrishna Y, Bantjes J, **Street R**. Proximity to public green spaces and depressive symptoms among South African residents: A population-based study. *BMC Public Health*. 2024 Mar 29;24(1):925. DOI: 10.1186/s12889-024-18385-1

4. **Wright CY**, Lartey M, Khomsi K, Peres F, Yilma D, Kigera JWM, Flanagan A, Gbakima A, Ofori-Adjei D, Kiswaya Ernest S, Sidibé S, Togo A, S. Muula A. The African journal partnership program's guidance on the use of AI in scholarly publishing. *Ghana Medical Journal*. 2024 Mar 25;58(1):1-4.
DOI: 10.4314/gmj.v58i1.1

Gender and Health

1. **Abrahams N, Mhlongo S, Chirwa E, Dekel B, Ketelo A**, Mathews S, **Jewkes R**. Sexual and non-sexual femicide in South Africa: Comparing two studies 2009 and 2017. *International Sociology*. 2024 Mar 28.
DOI: 10.1177/02685809241240971
2. **Willan S, Shai N, Majola T, Mabhida M, Mngadi S, Gounden T, Jewkes R, Abrahams N, Machisa M**. South African rape survivors' expressions of shame, self-blame and internalized-stigma. *SSM - Mental Health*. 2024 Mar 4.
DOI: 10.1016/j.ssmmh.2024.100310

Genomics Centre

1. Mudau MM, Dillon B, Smal C, Feben C, Honey E, **Carstens N**, Krause A. Mutation analysis and clinical profile of South African patients with Neurofibromatosis type 1 (NF1) phenotype. *Frontiers in Genetics*. 2024 Mar 26;15:1331278.
DOI: 10.3389/fgene.2024.1331278

Health Systems

1. **Carries S**, Sigwadhi LN, Moyo A, Wagner C, **Mathews C, Govindasamy D**. Associations between household food insecurity and depressive symptomology among adolescent girls and young women during the COVID-19 pandemic in South Africa. *Adolescents*. 2024 Mar 21;4(1):185-199.
DOI: 10.3390/adolescents4010013
2. Elsayed R, **Zembe-Mkabile W**. Women's access to sexual and reproductive health services and information in Ismailia, Egypt. *BMC Womens Health*. 2024 Mar 6;24(1):163.
DOI: 10.1186/s12905-024-02986-4
3. Gilworth G, Harris K, Morgan TL, Ayis S, Fox-Rushby J, Godfrey E, Hopkinson NS, **Lewin S**, Lim KK, Spinou A, Taylor SJC, White P. The IMPROVE trial: Study protocol for a pragmatic cluster randomised controlled trial to assess the effectiveness of using lay health workers to improve uptake and completion of pulmonary rehabilitation in patients with chronic obstructive pulmonary disease. *Trials*. 2024 Mar 19;25(1):194.
DOI: 10.1186/s13063-024-07998-x
4. Govender S, Naidoo R, **Ebrahim S**, Singh B. The academic progress of female general surgery and orthopaedic surgery trainees in South Africa. *South African Journal of Surgery*. 2024 Mar 1.
DOI: 10.36303/sajs.00194
5. **Solanki G**, Wilkinson T, Myburgh NG, Cornell JE, Brijlal V. South African healthcare reforms towards universal healthcare - where to next? *South African Medical Journal*. 2024 Mar 18; 114(3):e1571.
DOI: 10.7196/SAMJ.2024.v114i3.1571
6. Tyabashe-Phume BP, Swart R, **Zembe-Mkabile W**. The relationship between food insecurity, the child support grant and childcare arrangements. *Social Work/Maatskaplike Werk*. 2024 Mar 26; 60(1):80-97.
DOI: 10.15270/60-1-1252

HIV and Other Infectious Diseases

1. Hasan N, Nourse C, Schaaf HS, Bekker A, **Loveday M**, Coulter C, Chabala C, Kabra S, Moore E, Maleche-Obimbo E, Salazar-Austin N, Ritz N, Starke JR, Steenhoff AP, Triasih R, Welch SB, Marais BJ. Management of the infant born to a mother with tuberculosis: A systematic review and consensus practice guideline. *The Lancet Child & Adolescent Health*. 2024 Mar 21. DOI: 10.1016/s2352-4642(23)00345-0
2. **Hurbans N**, Naidoo P. Efficacy, safety, and tolerability of dolutegravir-based ART regimen in Durban, South Africa: A cohort study. *BMC Infectious Diseases*. 2024 Mar 21;24(21):343. DOI: 10.1186/s12879-024-09202-6

Mental Health, Alcohol, Substance Use and Tobacco

1. Dagne K, **Myers B**, Mihretu A, Teferra S. Scoping review of assessment tools for, magnitudes of and factors associated with problem drinking in population-based studies. *BMJ Open*. 2024 Mar 8; 14(3):e080657. DOI: 10.1136/bmjopen-2023-080657
2. **Petersen Williams P**, **Erasmus-Claassen LA**, Taylor S, Browne FA, Wechsberg WM, **Myers B**, **Parry CDH**, Washio Y. Perceptions of perinatal alcohol use and treatment needs in Cape Town, South Africa: A qualitative study. *Frontiers in Psychiatry*. 2024 Mar 13;15:1199647. DOI: 10.3389/fpsyt.2024.1199647
3. **Petersen Williams P**, Prinsloo M, Peden MM, Neethling I, Mhlongo S, Maqungo S, **Parry C**, Matzopoulos R. Identifying and validating alcohol diagnostics for injury-related trauma in South Africa: Protocol for a mixed methods study. *JMIR Research Protocols*. 2024 Mar 11;13:e52949. DOI: 10.2196/52949
4. Pool M, Sorsdahl K, **Myers B**, van der Westhuizen C. The prevalence of and factors associated with depressive and anxiety symptoms during the COVID-19 pandemic among healthcare workers in South Africa. *PLoS One*. 2024 Mar 7;19(3):e0299584. DOI: 10.1371/journal.pone.0299584

Non-Communicable Disease

1. Bergman M, Manco M, Satman I, Chan J, Inês Schmidt M, Sesti G, Vanessa Fiorentino T, Abdul-Ghani M, Jagannathan R, Kumar Thyparambil Aravindakshan P, Gabriel R, Mohan V, Buysschaert M, Bennakhi A, **Kengne AP**, Dorcelly B, Nilsson PM, Tuomi T, Battelino T, Hussain A, Ceriello A, Tuomilehto J. International Diabetes Federation position statement on the 1-hour post-load plasma glucose for the diagnosis of intermediate hyperglycaemia and type 2 diabetes. *Diabetes Research Clinical Practice*. 2024 Mar 6. DOI: 10.1016/j.diabres.2024.111589
2. Hanser S, Choshi J, Mokoena H, **Mabhida SE**, **Mchiza ZJR**, Moetlediwa MT, Muvhulawa N, Nkambule BB, Ndwandwe D, **Ngebelele U**, **Kengne AP**, Dlodla PV. A systematic review assessing the potential use of cystatin c as a biomarker for kidney disease in people living with HIV on antiretroviral therapy. *Frontiers in Medicine*. 2024 Mar 19;11:1295217. DOI: 10.3389/fmed.2024.1295217
3. Makhado G, Ntuli B, Zungu L, **Thovhogi N**, Mphhekgwana PM, Lebelo SL, Madiba S, **Modjadji P**. The wellbeing of healthcare workers during COVID-19 era in primary public health facilities in Johannesburg, South Africa. *International Journal of Environmental Health Research*. 2024 Mar 20; 21(3):372. DOI: 10.3390/ijerph21030372

4. Ntsama Essomba MJ, Esson Mapoko BS, Metogo Mbengono JA, Simo-Tabue N, **Kengne AP**, Choukem SP, Sobngwi E, Ze Minkande J, Tabue Teguo M. Pre-therapeutic assessment of older people in sub-Saharan Africa: Introduction to the comprehensive geriatric assessment. *Journal of Clinical Medicine*. 2024 Mar 21;13(6):1801. DOI: 10.3390/jcm13061801
5. **Peer N, Kotzé-Hörstmann L, Hill J, Kengne AP**. Differential management and associations of dyslipidaemia and hypertension by glycaemic status in urban South Africans. *South African Medical Journal*. 2024 Mar 18;114(3):e1315. DOI: 10.7196/SAMJ.2024.v114i3.1315

Office of AIDS and TB Research

1. Arendse KD, Walker C, Pfaff C, Lebelo K, Cassidy T, Isaakidis P, von der Heyden E, **Abdullah F**, Ellman T, Katz IT, Euvrard J, Keene CM. Supporting re-engagement with HIV services after treatment interruption in South Africa: A mixed method program evaluation of MSF's Welcome Service. *Scientific Reports*. 2024 Mar 27;14(1):7317. DOI: 10.1038/s41598-024-57774-9

Office of the President/Vice-President

1. Coussens AK, Zaidi SMA, Allwood BW, Dewan PK, **Gray G**, Kohli M, **Kredo T**, Marais BJ, Marks GB, Martinez L, Ruhwald M, Scriba TJ, Seddon JA, Tisile P, Warner DF, Wilkinson RJ, Esmail H, Houben RMGJ; International Consensus for Early TB (ICE-TB) group [includes: Alland D, Behr MA, Beko BB, Burhan E, Churchyard G, Cobelens F, Denholm JT, Dinkel R, Ellner JJ, Fatima R, Haigh KA, Hatherill M, Horton KC, Kendall EA, Khan PY, MacPherson P, **Malherbe ST**, Mave V, Mendelsohn SC, Musvosvi M, Nemes E, Penn-Nicholson A, Ramamurthy D, Rangaka MX, Sahu S, Schwalb A, Shah DK, Sheerin D, **Simon D**, Steyn AJC, Thu Anh N, **Walzl G**, Weller CL, Williams CML, Wong EB, Wood R, Xie YL, Yi SJ]. Classification of early tuberculosis states to guide research for improved care and prevention: An international Delphi consensus exercise. *The Lancet Respiratory Medicine*. 2024 Mar 22. DOI: 10.1016/S2213-2600(24)00028-6
2. Douchi M, Ghousmane A, Zampaligre F, Moussa B, Ishagh EK, Talatou Marc O, Oumarou B, Kaya MS, Diawara GA, Camara AM, Moussa S, Bienvenu K, Toko J, Harouna H, Moussa H, Kofi N, Tamuzi JL, **Katoto PDMC**, Wiysonge CS, Melanga Anya BP. Health transformation toward universal healthcare coverage amidst conflict: Examining the impact of international cooperation in Niger. *Frontiers in Public Health*. 2024 Mar 7;12:1303168. DOI: 10.3389/fpubh.2024.1303168
3. Magaret CA, Li L, deCamp AC, Rolland M, Juraska M, Williamson BD, Ludwig J, Molitor C, Benkeser D, Luedtke A, Simpkins B, Heng F, Sun Y, Carpp LN, Bai H, Dearlove BL, Giorgi EE, Jongeneelen M, Brandenburg B, McCallum M, Bowen JE, Veelsler D, Sadoff J, **Gray GE**, Roels S, Vandebosch A, Stieh DJ, Le Gars M, Vingerhoets J, Grinsztejn B, Goepfert PA, de Sousa LP, Silva MST, Casapia M, Losso MH, Little SJ, Gaur A, Bekker LG, Garrett N, Truysers C, Van Dromme I, Swann E, Marovich MA, Follmann D, Neuzil KM, Corey L, Greninger AL, Roychoudhury P, Hyrien O, Gilbert PB. Quantifying how single dose Ad26.COV2.S vaccine efficacy depends on spike sequence features. *Nature Communications*. 2024 Mar 11;15(1):2175. DOI: 10.1038/s41467-024-46536-w
4. Norman V, **Zühlke L**, Morrow B. Care burden and support needs of caregivers of infants and children with CHDs and dysphagia. *Cardiology in the Young*. 2024 Mar 7. DOI: 10.1017/s1047951124000271

South African Cochrane Centre

1. **Adamu AA, Jalo RI, Ndwandwe D, Wiysonge CS.** Informal health sector and routine immunization: Making the case for harnessing the potentials of patent medicine vendors for the big catch-up to reduce zero-dose children in sub-Saharan Africa. *Frontiers in Public Health*. 2024 Mar 7; 12:1353902.
DOI: 10.3389/fpubh.2024.1353902
2. **Adamu AA, Ndwandwe D, Jalo RI, Wiysonge CS.** Positioning implementation science in national immunization programmes to improve coverage equity and advance progress toward Immunization Agenda 2030: An urgent global health imperative. *Human Vaccines & Immunotherapeutics*. 2024 Mar 31.
DOI: 10.1080/21645515.2024.2331872
3. Dewidar O, Al-Zubaidi A, Bondok M, Abdelrazeq L, Huang J, Jearvis A, Barker LC, Elmetekawy N, Goghomu E, Rader T, Tufte J, Greer-Smith R, Waddington HS, Nicholls SG, Little J, Hardy BJ, Horsley T, Young T, Cuervo LG, Sharp MK, Chamberlain C, Shea B, Craig P, Lawson DO, Rizvi A, **Wiysonge CS, Kredo T**, Francis D, Kristjansson E, Bhutta Z, Antequera A, Melendez-Torres GJ, Pantoja T, Wang X, Jull J, Roberts JH, Funnell S, White H, Krentel A, Mahande MJ, Ramke J, Wells G, Petkovic J, Pottie K, Niba L, Feng C, Nguliefem MN, Tugwell P, Mbuagbaw L, Welch V. Reporting of equity in observational epidemiology: A methodological review. *Journal of Global Health*. 2024 Mar 1;14:04046.
DOI: 10.7189/jogh.14.04046
4. Fabunmi OA, **Dludla PV**, Nkambule BB. High-dose oral contraceptives induce hyperinsulinemia without altering immune activation in diet-induced obesity which persists even following a dietary low-fat diet intervention. *Journal of Reproductive Immunology*. 2024 Mar 8.
DOI: 10.1016/j.jri.2024.104234
5. GBD 2021 Demographics Collaborators [includes: **Iwu-Jaja CJ**, Stein DJ]. Global age-sex-specific mortality, life expectancy, and population estimates in 204 countries and territories and 811 subnational locations, 1950–2021, and the impact of the COVID-19 pandemic: A comprehensive demographic analysis for the Global Burden of Disease Study 2021. *The Lancet*. 2024 Mar 11.
DOI: 10.1016/S0140-6736(24)00476-8
6. GBD 2021 Tuberculosis Collaborators [include: **Nnaji CA**]. Global, regional, and national age-specific progress towards the 2020 milestones of the WHO End TB Strategy: A systematic analysis for the Global Burden of Disease Study 2021. *Lancet Infectious Diseases*. 2024 Mar 19.
DOI: 10.1016/S1473-3099(24)00007-0
7. Norton A, Sigfrid L, Antonio E, Bucher A, **Ndwandwe D**; Pandemic PACT Advisory Group. Improving coherence of global research funding: Pandemic PACT. *Lancet*. 2024 Mar 19.
DOI: 10.1016/S0140-6736(24)00452-5

2. EXTRAMURAL RESEARCH UNITS

Antibody Immunity

1. Karim F, Riou C, Bernstein M, Jule Z, Lustig G, **van Graan S**, Keeton RS, Upton JL, Ganga Y, Khan K, Reedoy K, Mazibuko M, Govender K, Thambu K, Ngcobo N, **Venter E**, **Makhado Z**, Hanekom W, von Gottberg A, Hoque M, Karim QA, Abdool Karim SS, Manickchand N, Magula N, Gosnell BI, Lessells RJ, **Moore PL**, Burgers WA, de Oliveira T, Moosa MS, Sigal A. Clearance of persistent SARS-CoV-2 associates with increased neutralizing antibodies in advanced HIV disease post-ART initiation. *Nature Communications*. 2024 Mar 15;15(1):2360.
DOI: 10.1038/s41467-024-46673-2
2. Van de Perre P, Scarlatti G, **Moore PL**, Molès JP, Nagot N, Tylleskär T, Gray G, Goga A. Preventing breast milk HIV transmission using broadly neutralizing monoclonal antibodies: One size does not fit all. *Immunity, Inflammation and Disease*. 2024 Mar 27;12(3):e1216.
DOI: 10.1002/iid3.1216

Antiviral Gene Therapy

1. Abkallo HM, **Arbuthnot P**, Auer TO, Berger DK, Burger J, Chakauya E, Concordet JP, Diabate A, Di Donato V, Groenewald JH, Guindo A, Koekemoer LL, Nazare F, Nolan T, Okumu F, Orefuwa E, Paemka L, Prieto-Godino L, Runo S, Sadler M, Tesfaye K, Tripathi L, Wondji C. Making genome editing a success story in Africa. *Nature Biotechnology*. 2024 Mar 19.
DOI: 10.1038/s41587-024-02187-2

Centre for Antimicrobial Resistance

1. **Dheda K**, Migliori GB. New framework to define the spectrum of tuberculosis. *Lancet Respiratory Medicine*. 2024 Mar 22.
DOI: 10.1016/S2213-2600(24)00085-7
2. **Dheda K**, Mirzayev F, Cirillo DM, Udwadia Z, Dooley KE, Chang KC, Omar SV, Reuter A, **Perumal T**, Horsburgh CR Jr, Murray M, Lange C. Multidrug-resistant tuberculosis. *Nature Reviews Disease Primers*. 2024 Mar 24;10(1):22.
DOI: 10.1038/s41572-024-00504-2
3. **Jaumdally S**, **Tomasicchio M**, **Pooran A**, **Esmail A**, **Kotze A**, **Meier S**, **Wilson L**, **Oelofse S**, **van der Merwe C**, **Roomaney A**, **Daids M**, Suliman T, Joseph R, **Perumal T**, **Scott A**, Shaw M, Preiser W, Williamson C, Goga A, Mayne E, Gray G, Moore P, Sigal A, Limberis J, **Metcalf J**, **Dheda K**. Frequency, kinetics and determinants of viable SARS-CoV-2 in bioaerosols from ambulatory COVID-19 patients infected with the Beta, Delta or Omicron variants. *Nature Communications*. 2024 Mar 5;15(1):2003.
DOI: 10.1038/s41467-024-45400-1

Centre for Health Economic and Decision Science

1. **Dare C**, **Boachie MK**, van Walbeek C. Cigarette prices and smoking experimentation among Zimbabwean children: A survival analysis of the 2014 Global Youth Tobacco Survey. *Nicotine & Tobacco Research*. 2024 Mar 6.
DOI: 10.1093/ntr/ntae048
2. **Erzse A**, **Desmond C**, **Hofman K**, Barker M, Christofides NJ. Addressing unmet social needs for improved maternal and child nutrition: Qualitative insights from community-based organisations in urban South Africa. *Global Public Health*. 2024 Mar 29.
DOI: 10.1080/17441692.2024.2329986
3. GBD 2021 Fertility and Forecasting Collaborators [includes: **Boachie MK**, **Nnaji CA**]. Global fertility in 204 countries and territories, 1950-2021, with forecasts to 2100: A comprehensive demographic analysis for the Global Burden of Disease Study 2021. *Lancet*. 2024 Mar 20.
DOI: 10.1016/S0140-6736(24)00550-6

Developmental Pathways for Health

1. Choo-Kang C, Reese TO, **Micklesfield LK**, Bovet P, Bedu-Addo K, Forrester T, Gilbert JA, Goedecke JH, Plange-Rhule J, Lambert EV, Layden BT, Rae DE, Viswanathan B, Luke A, Dugas L. Silhouette showcards confirm altered obesity-associated body image perception in international cohort study of African-origin populations. *BMJ Open*. 2024 Mar 8;14(3):e065498. DOI: 10.1136/bmjopen-2022-065498
2. Jukes MCH, Ahmed I, Baker S, **Draper CE**, Howard SJ, McCoy DC, Obradović J, Wolf S. Principles for adapting assessments of executive function across cultural contexts. *Brain Sciences*. 2024 Mar 27;14(4):318. DOI: 10.3390/brainsci14040318

Drug Discovery and Development

1. Mambwe D, Coertzen D, Leshabane M, Mulubwa M, Njoroge M, Gibhard L, Girling G, Wicht KJ, Lee MCS, Wittlin S, Moreira DRM, Birkholtz L-M, **Chibale K**. hERG, plasmodium life cycle, and cross resistance profiling of new azabenzimidazole analogues of Astemizole. *ACS Medicinal Chemistry Letters*. 2024 Mar 18. DOI: 10.1021/acsmchemlett.3c00496
2. **Singh V**. Tuberculosis treatment-shortening. *Drug Discovery Today*. 2024 Mar 26. DOI: 10.1016/j.drudis.2024.103955

Genomics of Brain Disorders

1. Luckhoff HK, **Suliman S, van den Heuvel L**, Smit R, Kilian S, **Bröcker E**, Phaladira L, Asmal L, **Seedat S**, Emsley R. Metabolic syndrome associations with neurocognitive function in first-episode schizophrenia spectrum disorders. *Psychiatry Research Communications*. 2024 Mar 26. DOI: 10.1016/j.psychom.2024.100166

HIV/TB Pathogenesis and Treatment

1. Aizire J, **Yende-Zuma N**, Hanley S, Nematadzira T, Nyati MM, Dadabhai S, Chinula L, Nakaye C, Fowler MG, Taha T, for the US-PEPFAR PROMOTE Cohort Study team. Unintended pregnancy and contraception use among African women living with HIV: Baseline analysis of the multi-country US PEPFAR PROMOTE cohort. *PLoS One*. 2024 Mar 11;19(3):e0290285. DOI: 10.1371/journal.pone.0290285
2. **Naidoo K, Perumal R**, Cox H, Mathema B, Loveday M, Ismail N, Omar SV, Georghiou SB, **Daftary A, O'Donnell M**, Ndjeka N. The epidemiology, transmission, diagnosis, and management of drug-resistant tuberculosis—lessons from the South African experience. *The Lancet Infectious Diseases*. 2024 Mar 22. DOI: 10.1016/S1473-3099(24)00144-0

Hypertension and Cardiovascular Disease

1. **Nienaber-Rousseau C**. Understanding and applying gene-environment interactions: A guide for nutrition professionals with an emphasis on integration in African research settings. *Nutrition Reviews*. 2024 Mar 04. DOI: 10.1093/nutrit/nuae015

Intersection of Non-communicable Disease and Infectious Disease Research

1. Chandiwana N, Venter W, Manne-Goehler J, Wade A, Le Roux C, Mbalati N, Grimbeek A, Kruger P, Montsho E, Zimela Z, Yawa A, Tshabalala S, Rambau N, Mpofu N, Stevenson S, McNulty B, **Ntusi N**, Pillay Y, Dave J, Murphy A, Goldstein S, Hofman K, Mahomedy S, Thomas E, Mrara B, Wing J, Lubbe J, Koto Z, Conradie-Smit M, Wharton S, May W, Marr I, Kaplan H, Forgan M, Alexander G, Turner J, Fourie VR, Hellig J, Banks M, Ragsdale K, Noeth M, Mohamed F, Myer L, Lebina L, Maswime S, Moosa Y, Thomas S, Mbelle M, Sinxadi P, Bekker LG, Bhana S, Fabian J, Decloedt E, Bayat Z, Daya R, Bobat B, Storie F, Goedecke J, Kahn K, Tollman S, Mansfield B, Siedner M, Marconi V, Mody A, Mtshali N, Geng E, Srinivasa S, Ali M, Lalla-Edwards S, Bentley A, Wolvaardt G, Hill A, Nel J. Obesity is South Africa's new HIV epidemic. *South African Medical Journal*. 2024 Mar 18;114(3):e1927. DOI: 10.7196/SAMJ.2024.v114i3.1927
2. Peter JG, **Ntusi NAB**, **Ntsekhe M**. Are recommendations that favor other agents over angiotensin-converting enzyme inhibitors in Africans with hypertension justified? *Circulation*. 2024 Mar 12; 149(11):804-806. DOI: 10.1161/CIRCULATIONAHA.123.065887

Masculinity and Health Research

1. **Mokobedi TV**, **Henning TJ**, **Harris SL**. A Collaborative autoethnographic exploration of experiences of research psychology interns. *Social and Health Sciences*. 2024 Mar 4;22(1):13858. DOI: 10.25159/2957-3645/13858

Microbial Water Quality Monitoring

1. Al-Karmadi A, **Okoh AI**. An overview of date (*Phoenix dactylifera*) fruits as an important global food resource. *Foods*. 2024 Mar 27;13(7):1024. DOI: 10.3390/foods13071024

Platform for Pharmacogenomics Research & Translation Research

1. Boyles T, Berhanu RH, Gogela N, Gunter H, Lovelock T, Mphothulo N, Parker A, Rabie H, Richards L, **Sinxadi P**, Wattrus C, Moosa MY. Management of drug-induced liver injury in people with HIV treated for tuberculosis: 2024 update. *Southern African Journal of HIV Medicine*. 2024 Mar 30;25(1):1558. DOI: 10.4102/sajhivmed.v25i1.1558
2. **Kruger B**, Shamley D, **Soko ND**, **Dandara C**. Pharmacogenetics of tamoxifen in breast cancer patients of African descent: Lack of data. *Clinical and Translational Science*. 2024 Mar 13; 17(3):e13761. DOI: 10.1111/cts.13761

Precision and Genomic Medicine

1. Hitti-Malin RJ, Panneman DM, Corradi Z, Boonen EGM, Astuti G, Dhaenens CM, Stöhr H, Weber BHF, Sharon D, Banin E, Karali M, Banfi S, Ben-Yosef T, Glavač D, Farrar GJ, Ayuso C, Liskova P, Dudakova L, Vajter M, Oldak M, Szaflik JP, Matynia A, Gorin MB, Kämpjärvi K, Bauwens M, De Baere E, Hoyng CB, Li CHZ, Klaver CCW, Inglehearn CF, Fujinami K, Rivolta C, Allikmets R, Zernant J, Lee W, Podhajcer OL, Fakin A, Sajovic J, AlTalbish A, Valeina S, Taurina G, Vincent AL, **Roberts L**, **Ramesar R**, Sartor G, Luppi E, Downes SM, van den Born LI, McLaren TL, De Roach JN, Lamey TM, Thompson JA, Chen FK, Tracowska AM, Kamakari S, Sallum JMF, Bolz HJ, Kayserili H, Roosing S, Cremers FPM. Towards uncovering the role of incomplete penetrance in maculopathies through sequencing of 105 disease-associated genes. *Biomolecules*. 2024 Mar 19;14(3):367. DOI: 10.3390/biom14030367

2. **Kalideen K**, Rayner B, **Ramesar R**. Genetic factors contributing to the pathogenesis of essential hypertension in two African populations. *Journal of Personalized Medicine*. 2024 Mar 20;14(3):323. DOI: 10.3390/jpm14030323
3. **Roberts L**. Precision ophthalmology: A call for Africa not to be left in the dark. *Gene Therapy*. 2024 Mar 22. DOI: 10.1038/s41434-024-00448-y

Precision Oncology

1. **Demetriou D**, Lockhat Z, Brzozowski L, Saini KS, **Dlamini Z**, **Hull R**. The convergence of radiology and genomics: Advancing breast cancer diagnosis with radiogenomics. *Cancers (Basel)*. 2024 Mar 6;16(5):1076. DOI: 10.3390/cancers16051076

Risk and Resilience in Mental Disorders

1. Altwajri Y, **Stein DJ**, Akkad M, Bilal L, Talal Naseem M, Al-Subaie A, Al-Habeeb A, Kessler RC. The epidemiology of obsessive-compulsive disorder in the Kingdom of Saudi Arabia: Data from the Saudi National Mental Health Survey. *Journal of Anxiety Disorders*. 2024 Mar 16. DOI: 10.1016/j.janxdis.2024.102856
2. Bernardus Saayman JL, **Harvey BH**, Wegener G, Brink CB. Sildenafil, alone and in combination with imipramine or escitalopram, display antidepressant-like effects in an Adrenocorticotrophic Hormone-induced (ACTH) rodent model of treatment-resistant depression. *European Journal of Pharmacology*. 2024 Mar 6. DOI: 10.1016/j.ejphar.2024.176434
3. Beyer C, Currin CB, Williams T, **Stein DJ**. Meta-analysis of the comparative efficacy of benzodiazepines and antidepressants for psychic versus somatic symptoms of generalized anxiety disorder. *Comprehensive Psychiatry*. 2024 Mar 24. DOI: 10.1016/j.comppsy.2024.152479
4. Christensen GM, Marcus M, Naudé PJW, Vanker A, Eick SM, Caudle WM, Malcolm-Smith S, Suglia SF, Chang HH, **Zar HJ**, **Stein DJ**, Hüls A. Joint effects of prenatal exposure to indoor air pollution and psychosocial factors on early life inflammation. *Environmental Research*. 2024 Mar 31. DOI: 10.1016/j.envres.2024.118822
5. GBD 2021 Nervous System Disorders Collaborators [includes: **Stein DJ**]. Global, regional, and national burden of disorders affecting the nervous system, 1990–2021: A systematic analysis for the Global Burden of Disease Study 2021. *The Lancet Neurology*. 2024 Mar 14. DOI: 10.1016/S1474-4422(24)00038-3
6. Harris MG, Kazdin AE, Munthali RJ, Vigo DV, **Stein DJ**, Viana MC, Aguilar-Gaxiola S, Al-Hamzawi A, Alonso J, Andrade LH, Bunting B, Chardoul S, Gureje O, Hu C, Hwang I, Karam EG, Navarro-Mateu F, Nishi D, Orozco R, Sampson NA, Scott KM, Vladescu C, Wojtyniak B, Xavier M, Zarkov Z. Factors associated with satisfaction and perceived helpfulness of mental healthcare: A world mental health surveys report. *International Journal of Mental Health Systems*. 2024 Mar 1;18(1):11. DOI: 10.1186/s13033-024-00629-7
7. **Lochner C**, **van den Berg G**, Chamberlain SR, **Marincowitz C**, Coetzee B. Family functioning and problematic usage of the internet in youth: A cross-sectional investigation. *Journal of Psychiatric Research*. 2024 Mar 25. DOI: 10.1016/j.jpsychires.2024.03.038

8. Wedderburn CJ, Yeung S, Subramoney S, Fouche JP, Joshi SH, Narr KL, Rehman AM, **Roos A**, Gibb DM, Zar HJ, **Stein DJ**, Donald KA. Association of in utero HIV exposure with child brain structure and language development: A South African birth cohort study. *BMC Medicine*. 2024 Mar 22;22(1):129.
DOI: 10.1186/s12916-024-03282-6
9. Wu YK, Su YA, Zhu LL, Yan C, Li JT, Lin JY, Chen J, Chen L, Li K, **Stein DJ**, Si TM. A distinctive subcortical functional connectivity pattern linking negative affect and treatment outcome in major depressive disorder. *Translational Psychiatry*. 2024 Mar 5;14(1):136.
DOI: 10.1038/s41398-024-02838-7

Rural Public Health and Health Transition

1. Chakraborty R, Kobayashi LC, Jock J, Wing C, Chen X, Phillips M, Berkman L, **Kahn K**, **Kabudula CW**, **Rosenberg M**. Child support grant expansion and cognitive function among women in rural South Africa: Findings from a natural experiment in the HAALSI cohort. *PLoS One*. 2024 Mar 6;19(3):e0297673.
DOI: 10.1371/journal.pone.0297673
2. Cohen C, Kleynhans J, von Gottberg A, McMorro ML, Wolter N, Bhiman JN, Moyes J, du Plessis M, Carrim M, Buys A, Martinson NA, **Kahn K**, **Tollman S**, Lebina L, **Wafawanaka F**, **du Toit J**, **Gómez-Olivé FX**, Dawood FS, Mkhencele T; PHIRST group; Tempia S. Characteristics of infections with ancestral, Beta and Delta variants of SARS-CoV-2 in the PHIRST-C community cohort study, South Africa, 2020-2021. *BMC Infectious Diseases*. 2024 Mar 21;24(1):336.
DOI: 10.1186/s12879-024-09209-z
3. Dall'Amico L, Kleynhans J, Gauvin L, Tizzoni M, Ozella L, Makhasi M, Wolter N, Language B, **Wagner RG**, Cohen C, Tempia S, Cattuto C. Estimating household contact matrices structure from easily collectable metadata. *PLoS One*. 2024 Mar 14;19(3):e0296810.
DOI: 10.1371/journal.pone.0296810
4. Diallo AO, Marcus ME, Flood D, Theilmann M, Rahim NE, Kinlaw A, Franceschini N, Stürmer T, Tien DV, Abbasi-Kangevari M, Agoudavi K, Andall-Brereton G, Aryal K, Bahendeka S, Bicaba B, Bovet P, Dorobantu M, Farzadfar F, Ghamari SH, Gathecha G, Guwatudde D, Gurung M, Houehanou C, Houinato D, Hwalla N, Jorgensen J, Kagaruki G, Karki K, Martins J, Mayige M, McClure RW, Moghaddam SS, Mwalim O, Mwangi KJ, Norov B, Quesnel-Crooks S, Sibai A, Sturua L, Tsabedze L, Wesseh C, Geldsetzer P, Atun R, Vollmer S, Bärnighausen T, **Davies J**, Ali MK, Seiglie JA, Gower EW, Manne-Goehler J. Multiple cardiovascular risk factor care in 55 low- and middle-income countries: A cross-sectional analysis of nationally-representative, individual-level data from 280,783 adults. *PLOS Global Public Health*. 2024 Mar 27;4(3):e0003019.
DOI: 10.1371/journal.pgph.0003019
5. Geldsetzer P, Tisdale RL, Stehr L, Michalik F, Lemp J, Aryal KK, Damasceno A, Houehanou C, Jørgensen JMA, Lunet N, Mayige M, Saeedi Moghaddam S, Mwangi KJ, Bommer C, Marcus ME, Theilmann M, Ebert C, Atun R, **Davies JI**, Flood D, Manne-Goehler J, Seiglie J, Bärnighausen T, Vollmer S. The prevalence of cardiovascular disease risk factors among adults living in extreme poverty. *Nature Human Behaviour*. 2024 Mar 13.
DOI: 10.1038/s41562-024-01840-9
6. Kulkarni D, Ismail NF, Zhu F, Wang X, Del Carmen Morales G, Srivastava A, Allen KE, Spinardi J, Rahman AE, Kyaw MH, **Nair H**. Epidemiology and clinical features of SARS-CoV-2 infection in children and adolescents in the pre-Omicron era: A global systematic review and meta-analysis. *Journal of Global Health*. 2024 Mar 1;14:05003.
DOI: 10.7189/jogh.14.05003

7. Lin GL, Drysdale SB, Snape MD, O'Connor D, Brown A, MacIntyre-Cockett G, Mellado-Gomez E, de Cesare M, Ansari MA, Bonsall D, Bray JE, Jolley KA, Bowden R, Aerssens J, Bont L, Openshaw PJM, Martinon-Torres F, **Nair H**, Golubchik T, Pollard AJ; RESCEU Consortium. Targeted metagenomics reveals association between severity and pathogen co-detection in infants with respiratory syncytial virus. *Nature Communications*. 2024 Mar 16;15(1):2379. DOI: 10.1038/s41467-024-46648-3

Vaccine and Infectious Diseases Analytics

1. **Dangor Z**, Benson N, Berkley JA, Bielicki J, Bijlma MW, Broad J, Buurman ET, Cross A, Duffy EM, Holt KE, Iroh Tam PY, Jit M, Karampatsas K, Katwere M, **Kwatra G**, Laxminarayan R, Le Doare K, Mboizi R, Micoli F, Moore CE, Nakabembe E, Naylor NR, O'Brien S, **Olwagen C**, **Reddy D**, Rodrigues C, Rosen DA, Sadarangani M, Srikantiah P, Tennant SM, Hasso-Agopsowicz M, **Madhi SA**. Vaccine value profile for *Klebsiella pneumoniae*. *Vaccine*. 2024 Mar 19. DOI: 10.1016/j.vaccine.2024.02.072
2. Gallagher KE, Awori JO, Knoll MD, Rhodes J, Higdon MM, Hammitt LL, Prosperi C, Baggett HC, Brooks WA, Fancourt N, Feikin DR, Howie SRC, Kotloff KL, Tapia MD, Levine OS, **Madhi SA**, Murdoch DR, O'Brien KL, Thea DM, **Baillie VL**, Ebruke BE, Kamau A, **Moore DP**, Mwananyanda L, Olutunde EO, Seidenberg P, Sow SO, Thamthitiwat S, Scott JAG; PERCH Study Group. Factors predicting mortality in hospitalised HIV-negative children with lower-chest-wall indrawing pneumonia and implications for management. *PLoS One*. 2024 Mar 11;19(3):e0297159. DOI: 10.1371/journal.pone.0297159
3. **Mbotwe-Sibanda S**, **Kwatra G**, **Madhi SA**, **Nunes MC**. Post-acute sequelae of SARS-CoV-2 infection in health care workers from South Africa. *Oxford Open Immunology*. 2024 Mar 9; 5(1):iqae001. DOI: 10.1093/oxfimm/iqae001
4. Reiter L, **Greffrath J**, Zidel B, Ostrowski M, Gommerman J, **Madhi SA**, Tran R, Martin-Orozco N, Panicker RKG, Cooper C, Pastrak A. Comparable safety and non-inferior immunogenicity of the SARS-CoV-2 mRNA vaccine candidate PTX-COVID19-B and BNT162b2 in a phase 2 randomized, observer-blinded study. *Scientific Reports*. 2024 Mar 4;14(1):5365. DOI: 10.1038/s41598-024-55320-1
5. Yousuf M, **Khan S**, Hussain A, Alajmi MF, Shamsi A, Haque QMR, Islam A, Hassan MI. Exploring therapeutic potential of Rutin by investigating its cyclin-dependent kinase 6 inhibitory activity and binding affinity. *International Journal of Biological Macromolecules*. 2024 Mar 6. DOI: 10.1016/j.ijbiomac.2024.130624

3. GRANT FUNDED RESEARCH

1. Agbo EN, Segodi RS, Gumede NJ, **Poopedi KW**, Leboho TC, Nxumalo W. Synthesis, in vitro enzyme kinetics and molecular docking studies of the 2-formylphenyl sulfonates and their hydrazone derivatives as potential anti-diabetic and anti-inflammatory agents. Results in Chemistry. 2024 Mar 21;7:101453.
DOI: 10.1016/j.rechem.2024.101453
2. Ayeni G, Simelane MBC, Yakobi S, Makumire S, **Pooe OJ**. Bioprospecting the liver protective activity of betulinic acid isolated from the stem bark of *Ziziphus mucronata* Willd. subsp. *mucronata*. Scientific African. 2024 Mar 29.
DOI: 10.1016/j.sciaf.2024.e02182
3. Chigbu BI, **Chinyamurindi W**, Marange CS. Influence of organisational climate on public service employee physical health. Health SA Gesondheid. 2024 Mar 26;29:a2244 .
DOI: 10.4102/hsag.v29i0.2244
4. **Chiramba CK**, Möller DS, Lorenz CD, Chirombo RR, Mason AJ, Bester MJ, Gaspar ARM. Tryptophan end-tagging confers antifungal activity on a tick-derived peptide by triggering reactive oxygen species production. ACS Omega. 2024 Mar 18.
DOI: 10.1021/acsomega.4c00478
5. du Plessis M, **Fourie C**, le Roux H, Engelbrecht AM. Sanguinarine highly sensitises breast cancer cells to doxorubicin-induced apoptosis. South African Journal of Science. 2024 Mar 27;120(3-4): 14917.
DOI: 10.17159/sajs.2024/14917
6. Islam MM, Farag E, Hassan MM, Enan KA, Mohammadi A, Aldiqs AK, Alhussain H, Al Musalmani E, Al-Zeyara AA, Al-Romaihi H, Yassine HM, Sultan AA, Bansal D, **Mkhize-Kwitshana Z**. Rodent-borne parasites in Qatar: A possible risk at the human-animal-ecosystem interface. One Health. 2024 Mar 7.
DOI: 10.1016/j.onehlt.2024.100708
7. Kabbashi S, **Roomaney IA**, **Chetty M**. Bridging the gap between omics research and dental practice. BDJ Open. 2024 Mar 4;10(1):16.
DOI: 10.1038/s41405-024-00199-3
8. **Kalinski JJ**, Noundou XS, Petras D, Matcher GF, Polyzois A, Aron AT, Gentry EC, Bornman TG, Adams JB, **Dorrington RA**. Urban and agricultural influences on the coastal dissolved organic matter pool in the Algoa Bay estuaries. Chemosphere. 2024 Mar 26.
DOI: 10.1016/j.chemosphere.2024.141782
9. **Kgosana LP**, **Seheri ML**, Magwira CA. Abundance of selected Lipopolysaccharide-rich bacteria and levels of toll-like receptor 4 and interleukin 8 expression are significantly associated with live attenuated rotavirus vaccine shedding among South African infants. Vaccines. 2024 Mar 5; 12(3):273.
DOI: 10.3390/vaccines12030273
10. **Luckhoff HK**, **Smit R**, **Phahladira L**, **du P**, **Emsley R**, **Asmal L**. Sex versus gender associations with brain structure. Journal of Clinical Neuroscience. 2024 Mar 16.
DOI: 10.1016/j.jocn.2024.03.009

11. Martinez SG, Mbabazi PS, Sebitloane MH, Vwalika B, Mocumbi S, Galaphaththi-Arachchige HN, Holmen SD, Randrianasolo B, Roald B, Olowookorun F, Hyera F, Mabote S, Nemungadi TG, Ngcobo TV, Furumele T, Ndhlovu PD, Gerdes MW, Gundersen SG, **Mkhize-Kwitshana ZL**, Taylor M, Mhlanga REE, Kjetland EF. The WHO atlas for female-genital schistosomiasis: Co-design of a practicable diagnostic guide, digital support and training. *PLOS Global Public Health*. 2024 Mar 18;4(3):e0002249.
DOI: 10.1371/journal.pgph.0002249
12. Mayman Y, Crowley T, **van Wyk B**. Health Workers' Responses to COVID-19 Pandemic's impact on service delivery to adolescents in HIV treatment in Cape Town, South Africa: A qualitative study. *Healthcare*. 2024 Mar 7;12(6):609.
DOI: 10.3390/healthcare12060609
13. Mbiydenyuy NE, Hemmings SMJ, Shabangu TW, **Qulu-Appiah L**. Exploring the influence of stress on aggressive behavior and sexual function: Role of neuromodulator pathways and epigenetics. *Heliyon*. 2024 Mar 3.
DOI: 10.1016/j.heliyon.2024.e27501
14. Mjokane N, Akintemi EO, Sabiu S, Gcilitshana OMN, Albertyn J, Pohl CH, **Sebolai OM**. *Aspergillus fumigatus* secretes a protease(s) that displays in silico binding affinity towards the SARS-CoV-2 spike protein and mediates SARS-CoV-2 pseudovirion entry into HEK-293T cells. *Virology Journal*. 2024 Mar 6;21(1):58.
DOI: 10.1186/s12985-024-02331-z
15. **Pienaar AE**, Gericke C, du Plessis W. Longitudinal pathways of associations between motor proficiency and physical fitness during earlier and later childhood: The NW-CHILD study. *Science Progress*. 2024 Mar 15;107(1):368504241232515.
DOI: 10.1177/00368504241232515
16. Pretorius TB, **Padmanabhanunni A**. A unidimensional short form of the Beck Hopelessness Scale (BHS-7) derived using item response theory. *Scientific Reports*. 2024 Mar 12;14(1):6021.
DOI: 10.1038/s41598-024-56792-x
17. Randall P, Esmail A, Wilson L, Makambwa E, Pooran A, Tomasicchio M, **Dheda K**, Ntsekhe M. GeneXpert MTB/RIF ultra vs unstimulated interferon γ (IRISA-TB) for the diagnosis of tuberculous pericarditis in a tuberculosis-endemic setting. *Open Forum Infectious Diseases*. 2024 Mar 20; 11(3):ofae021.
DOI: 10.1093/ofid/ofae021
18. **Setlhare B**, Letsoalo M, Nkabinde SA, Nkabinde M, Mzobe G, Mtshali A, Parveen S, Ngcobo S, Invernizzi L, Maharaj V, Ngcobo M, **Gqaleni N**. An in vitro study to elucidate the effects of product Nkabinde on immune response in peripheral blood mononuclear cells of healthy donors. *Frontiers in Pharmacology*. 2024 Mar 12;15:1308913.
DOI: 10.3389/fphar.2024.1308913
19. Singh ES, **Naicker A**, Singh S. Acceptability, feasibility, and effectiveness of a worksite intervention to lower cardiometabolic risk in South Africa: Protocol. *Methods and Protocols*. 2024 Mar 1;7(2):21.
DOI: 10.3390/mps7020021
20. Walvekar P, Lulinski P, Kumar P, Aminabhavi TM, **Choonara YE**. A review of hyaluronic acid-based therapeutics for the treatment and management of arthritis. *International Macromolecules*. 2024 Mar 7.
DOI: 10.1016/j.ijbiomac.2024.130645

21. Zahra M, Abrahamse H, **George BP**. Green nanotech paradigm for enhancing sesquiterpene lactone therapeutics in cancer. *Biomedicine and Pharmacotherapy*. 2024 Mar 11.
DOI: 10.1016/j.biopha.2024.116426

4. CLOSED RESEARCH UNITS

Molecular Mycobacteriology

1. Dube PS, Hart D, Legoabe LJ, **Jordaan A**, **Warner DF**, Beteck RM. Synthesis and in vitro antibacterial evaluation of mannich base nitrothiazole derivatives. *Molbank*. 2024 Mar 18; 2024(1):M1793.
DOI: 10.3390/M1793
2. Patterson B, **Dinkele R**, **Gessner S**, **Koch A**, Hoosen Z, January V, Leonard B, McKerry A, Seldon R, Vazi A, Hermans S, Cobelens F, **Warner DF**, **Wood R**. Aerosolization of viable *Mycobacterium tuberculosis* bacilli by tuberculosis clinic attendees independent of sputum-Xpert Ultra status. *Proceedings of the National Academy of Sciences of the United States of America*. 2024 Mar 12.
DOI: 10.1073/pnas.2314813121

5. RESEARCH UNITS WITH NO PUBLICATIONS

Intramural

- Burden of Disease
- Office of Malaria Research
- Office of Tuberculosis Research
- Primate

Extramural

- Antimicrobial Resistance and Global Health Research
- Bioinformatics Capacity Development
- Cardiometabolic Health
- Child and Adolescent Lung Health
- Common Epithelial Cancer
- Gynaecological Cancer
- Health Services to Systems
- Herbal Drugs
- Maternal and Infant Health Care Strategies
- Pan African Centre for Epidemics Research
- 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 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 (TB-CHILD)
- Tygerberg SAMRC Collaborating centre for HIV Laboratory Research
- Wits Clinical HIV/TB Research Unit, WITS Health Consortium
- Wits RHI Collaborating Centre for HIV/AIDS

6. GRANTS AWARDED

SAMRC LIST OF NEW CONTRACTS FOR MARCH 2024					
SAMRC Unit	Funder	Main Funder	Project Title/Description	Contract Value	
				Rand	Foreign Currency
BRIP	National Research Foundation	National Research Foundation	CSUR 230530111435 S Dias	R336,275.00	-
COCHRANE	University of Liverpool	Research England (DSIT)	Comet-Cochrane SA Project	R43,362.00	£1 821.00
EHRU	National Research Foundation	National Research Foundation	CSUR 230524109441 TL Laban	R376,217.00	-
MASTRU	University of Liverpool	Research England (DSIT)	Greener Trials	R162,328.00	£6 817.00
OATB	AIDS Vaccine Advocacy Coalition (AVAC)	HIV AIDS Vaccine Ethics Group (HAVEG)	Enhancing the impact of ethics guidelines in HIV prevention trials. USAID - OAA-16-00031 HIV Vaccine and Biomedical	R3,761,101.00	\$198 775.00

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