



CELEBRATES SCIENCE



JANUARY 2021

1. INTRAMURAL RESEARCH UNITS

Alcohol, Tobacco and Other Drug

1. Gibbs N, Angus C, Dixon S, **Parry CDH**, Meier PS, Boachie MK, Verguet S. Equity impact of minimum unit pricing of alcohol on household health and finances among rich and poor drinkers in South Africa. *BMJ Global Health*. 2022 Jan 6;7(1):e007824.
DOI: 10.1136/bmjgh-2021-007824
2. Ndirangu JW, Gichane MW, Browne FA, Bonner CP, Zule WA, Cox EN, Smith KM, **Carney T**, Wechsberg WM. 'We have goals but [it is difficult]'. Barriers to antiretroviral therapy adherence among women using alcohol and other drugs living with HIV in South Africa. *Health Expectations*. 2022 Jan 21.
DOI: 10.1111/hex.13422
3. Peprah E, **Myers B**, Kengne AP, Peer N, El-Shahawy O, Ojo T, Mukasa B, Ezechi O, Iwelunmor J, Ryan N, Sakho F, Patena J, Gyamfi J. Using a syndemics framework to understand how substance use contributes to morbidity and mortality among people living with HIV in Africa: A call to action. *International Journal of Environmental Research and Public Health*. 2022 Jan 19;19(3):1097.
DOI: 10.3390/ijerph19031097
4. Rose AL, Belus JM, Ma T, Lee JS, Wan C, De Los Reyes A, Joska JA, Andersen LS, **Myers B**, Magidson JF. The relationship between harmful alcohol use and antiretroviral non-adherence in people accessing HIV treatment in Cape Town, South Africa: An event-level analysis. *AIDS and Behavior*. 2022 Jan 13.
DOI: 10.1007/s10461-021-03552-x

Biomedical Research and Innovation Platform

1. **Johnson R, Sharma JR, Ramharack P, Mangwana N**, Kinnear C, Viraragavan A, Glanzmann B, **Louw J**, Abdelatif N, Reddy T, Surujlal-Naicker S, Nkambule S, Mahlangeni N, Webster C, Mdhuli M, Gray G, Mathee A, Preiser W, **Muller C**, Street R. Tracking the circulating SARS-CoV-2 variant of concern in South Africa using wastewater-based epidemiology. *Scientific Reports*. 2022 Jan 21;12:1182.
DOI: 10.1038/s41598-022-05110-4
2. Nepolo EP, Nkambule BB, **Dludla PV**, Ndevahoma F, Nyambuya TM. Association between the type of allergen and T-helper 2 mediated inflammation in allergic reactions: A systematic review and a meta-analysis. *Allergologia et Immunopathologia*. 2022 Jan 1;50(1):37-50.
DOI: 10.15586/aei.v50i1.470
3. **Ntamo Y**, Ziqubu K, **Chellan N**, Nkambule BB, Nyambuya TM, Mazibuko-Mbeje SE, **Gabuza KB**, Orlando P, Tiano L, **Dludla PV**. Clinical use of N-acetyl cysteine during liver transplantation: Implications of oxidative stress and inflammation as therapeutic targets. *Biomedicine and Pharmacotherapy*. 2022 Jan 18.
DOI: 10.1016/j.biopha.2022.112638
4. Orlando P, Nartea A, Silvestri S, Marcheggiani F, Cirilli I, **Dludla PV**, Fiorini R, Pacetti D, Loizzo MR, Lucci P, Tiano L. Bioavailability study of isothiocyanates and other bioactive compounds of brassica oleracea L. var. Italica boiled or steamed: Functional food or dietary supplement? *Antioxidants*. 2022 Jan 22;11(2):209.
DOI: 10.3390/antiox11020209
5. **Riedel S, Pheiffer C, Johnson R, Louw J, Muller CJF**. Intestinal barrier function and immune homeostasis are missing links in obesity and type 2 diabetes development. *Frontiers in Endocrinology*. 2022 Jan 25;12:833544.
DOI: 10.3389/fendo.2021.833544

- Govindsamy A, **Ghoor S, Cerf ME**. Programming with varying dietary fat content alters cardiac insulin receptor, Glut4 and FoxO1 immunoreactivity in neonatal rats, whereas high fat programming alters cebpa gene expression in neonatal female rats. *Frontiers in Endocrinology*. 2022 Jan 5;12:772095.
DOI: 10.3389/fendo.2021.772095

Biostatistics

- Boer PH, Schweltnus MP, **Jordaan E**. Chronic diseases and allergies are risk factors predictive of a history of Medial Tibial Stress Syndrome (MTSS) in distance runners: SAFER study XXIV. *Physician and Sportsmedicine*. 2022 Jan 24:1-9.
DOI: 10.1080/00913847.2021.2021597
- Lachman A, **Jordaan ER**, Stern M, Donald KA, Hoffman N, Lake MT, Zar HJ, Niehaus DJH, Puura K, Stein DJ. The shared pleasure paradigm: A study in an observational birth cohort in South Africa. *Archives of Women's Mental Health*. 2022 Jan 5;25(1):227-35.
DOI: 10.1007/s00737-021-01199-0

Burden of Disease

- Bowman B, Kramer S, Salau S, **Matzopoulos R**. Trends, correlates, and contexts of robbery-homicide in South Africa. *Homicide Studies*. 2022 Jan 31.
DOI: 10.1177/10887679211070230
- Hlongwa M**, Afolabi AA, Dzinamarira T. Hesitancy towards a COVID-19 vaccine in selected countries in Africa: Causes, effects, and strategies for improving COVID-19 vaccine uptake. *Global Biosecurity*. 2022 Jan 4;3(1):130.
DOI: 10.31646/gbio.130
- Matzopoulos R**, Morlock R, Morlock A, Lerer B, Lerer L. Psychedelic mushrooms in the USA: Knowledge, patterns of use, and association with health outcomes. *Frontiers in Psychiatry*. 2022 Jan 3;12:780696.
DOI: 10.3389/fpsy.2021.780696

Centre for Tuberculosis

- Derendinger B, de Vos M, Pillay S, Venter R**, Metcalfe J, **Ghebrekristos Y, Minnies S**, Dolby T, Beylis N, **Warren R, Theron G**. Frequent suboptimal thermocycler ramp rate usage negatively impacts genotype MTBDRsl ver 2.0 performance for second-line drug-resistant tuberculosis diagnosis. *Journal of Molecular Diagnostics*. 2022 Jan 31.
DOI: 10.1016/j.jmoldx.2022.01.003
- Foster I, Sullivan A, Makanda G, Schoeman I, Tisile P, van der Westhuizen HM, **Theron G**, Nathavitharana RR. The role of counselling in tuberculosis diagnostic evaluation and contact tracing: Scoping review and stakeholder consultation of knowledge and research gaps. *BMC Public Health*. 2022 Jan 28;22:190.
DOI: 10.1186/s12889-022-12556-8
- Jacobs R, Awoniyi DO**, Baumann R, **Stanley K, McAnda S**, Kaempfer S, **Malherbe ST**, Singh M, **Walzl G, Chegou NN**, AE-TBC Consortium. Concurrent evaluation of cytokines improves the accuracy of antibodies against mycobacterium tuberculosis antigens in the diagnosis of active tuberculosis. *Tuberculosis (Edinb)*. 2022 Jan 31.
DOI: 10.1016/j.tube.2022.102169

Environment and Health

- Kapwata T**, Breetzke G, **Wright CY**, Marcus TS, Eales O. Demographic and socio-economic risk factors associated with self-reported TB. *International Journal of Tuberculosis and Lung Disease*. 2022 Jan 1;26(1):33-37.
DOI: 10.5588/ijtld.21.0247

2. Potgieter A, Fabris-Rotelli IN, Breetzke G, **Wright CY**. The association between weather and crime in a township setting in South Africa. *International Journal of Biometeorology*. 2022 Jan 21. DOI: 10.1007/s00484-022-02242-0
3. Sepadi MM, **Nkosi V**. Environmental and Occupational health exposures and outcomes of informal street food vendors in South Africa: A quasi-systematic review. *International Journal of Environmental Research and Public Health*. 2022 Jan 25;19(3):1348. DOI: 10.3390/ijerph19031348
4. **Wright CY, Kapwata T**, Abdelatif N, Batini C, **Wernecke B, Kunene Z, Millar DA, Mathee A, Street R**, Panchal R, Hansell A, Cordell R, Hey JV. Household air pollution and respiratory symptoms a month before and during the stringent COVID-19 lockdown levels 5 and 4 in South Africa. *Annals of Global Health*. 2022 Jan 10;88(1):3. DOI: 10.5334/aogh.3465

Health Systems

1. Brathwaite R, Ssewamala FM, Sensoy Bahar O, McKay MM, Neilands TB, Namatovu P, Kiyingi J, Zmachinski L, Nabayinda J, Huang KY, Kivumbi A, **Bhana A**, Mwebembezi A, Petersen I, Hoagwood K; SMART Africa - Uganda field team. The longitudinal impact of an evidence-based multiple family group intervention (Amaka Amasanyufu) on oppositional defiant disorder and impaired functioning among children in Uganda: Analysis of a cluster randomized trial from the SMART Africa-Uganda scale-up study (2016-2022). *Journal of Child Psychology and Psychiatry*. 2022 Jan 6. DOI: 10.1111/jcpp.13566
2. Mash RJ, Schouw D, **Daviaud E, Besada D**, Roman D. Evaluating the implementation of home delivery of medication by community health workers during the COVID-19 pandemic in Cape Town, South Africa: A convergent mixed methods study. *BMC Health Services Research*. 2022 Jan 24;22(1):98. DOI: 10.1186/s12913-022-07464-x
3. Mwambenu B, **Ramoloko V**, Laubscher R, Feucht U. Growth and the pubertal growth spurt in South African adolescents living with perinatally-acquired HIV infection. *PLoS One*. 2022 Jan 25; 17(1):e0262816. DOI: 10.1371/journal.pone.0262816

HIV Prevention

1. Joseph Davey DL, Bekker LG, Bukusi EA, Chi BH, Delany-Moretlwe S, **Goga A**, Lyerly AD, Mgodini NM, Mugo N, Myer L, Noguchi LM, Stranix-Chibanda L, Slack C, Pintye J. Where are the pregnant and breastfeeding women in new pre-exposure prophylaxis trials? The imperative to overcome the evidence gap. *Lancet HIV*. 2022 Jan 25. DOI: 10.1016/S2352-3018(21)00280-0
2. Malaba TR, Newell ML, Myer L, **Ramokolo V**. Methodological considerations for preterm birth research. *Frontiers in Global Women's Health*. 2022 Jan 11;2:821064. DOI: 10.3389/fgwh.2021.821064
3. Reddy K, Mathebula F, Katz A, Luecke E, Tenza S, Palanee-Phillips T, Garcia M, Mansoor LE, **Naidoo S, Morar N**, Chitukuta M, Tsidya M, Montgomery ET; MTN-032 Study team. Ring-ing in the future: Participant and male partner perspectives regarding future use of the dapivirine vaginal ring for HIV prevention. *AIDS and Behavior*. 2022 Jan 22. DOI: 10.1007/s10461-021-03542-z

Non-Communicable Disease

1. Achoki T, Sartorius B, Watkins D, Glenn SD, **Kengne AP**, Oni T, Wiysonge CS, Walker A, Adetokunboh OO, Babalola TK, Bolarinwa OA, Claassens MM, Cowden RG, Day CT, Ezekannagha O, Ginindza TG, Iwu CCD, Iwu CJ, Karangwa I, Katoto PD, Kugbey N, Kuupiel D, Mahasha PW, Mashamba-Thompson TP, Mensah GA, Ndwandwe DE, Nnaji CA, Ntsekhe M, Nyirenda TE, Odhiambo JN, Oppong Asante K, Parry CDH, Pillay JD, Schutte AE, Seedat S, Sliwa K, Stein DJ, Tanser FC, Useh U, Zar HJ, Zuhlke LJ, Mayosi BM, Hay SI, Murray CJL, Naghavi M. Health trends, inequalities and opportunities in South Africa's provinces, 1990-2019: Findings from the global burden of disease 2019 study. *Journal of Epidemiology and Community Health*. 2022 Jan 19.
DOI: 10.1136/jech-2021-217480
2. Businge CB, Longo-Mbenza B, **Kengne AP**. Low serum triiodothyronine and potassium levels are associated with increased risk of eclampsia among women in the Eastern Cape province of South Africa. *Clinical and Experimental Obstetrics & Gynecology*. 2022 Jan 26;49(2):032.
DOI: 10.31083/j.ceog4902032
3. **Goedecke JH**, **Nguyen KA**, Kufe C, Masemola M, Chikowore T, Mendham AE, Norris SA, Crowther NJ, Karpe F, Olsson T, **Kengne AP**, Micklesfield LK. Waist circumference thresholds predicting incident dysglycaemia and type 2 diabetes in black African men and women. *Diabetes Obesity and Metabolism*. 2022 Jan 27.
DOI: 10.1111/dom.14655
4. Mazidi M, Webb RJ, Lip GYH, **Kengne AP**, Banach M, Davies IG. Discordance between LDL-C and Apolipoprotein B levels and Its association with renal dysfunction: Insights from a population-based study. *Journal of Clinical Medicine*. 2022 Jan 9;11(2):313.
DOI: 10.3390/jcm11020313
5. Nachega JB, Sam-Agudu NA, Machezano RN, Rabie H, van der Zalm MM, Redfern A, Dramowski A, O'Connell N, Pipo MT, Tshilanda MB, Byamungu LN, Masekela R, Jeena PM, Pillay A, Gachuno OW, Kinuthia J, Ishoso DK, Amoako E, Agyare E, Agbeno EK, Martyn-Dickens C, Sylverken J, Enimil A, Jibril AM, Abdullahi AM, Amadi O, Umar UM, Sigwadhi LN, Hermans MP, Otokoye JO, Mbala-Kingebeni P, Muyembe-Tamfum JJ, Zumla A, Sewankambo NK, Aanyu HT, Musoke P, Suleman F, Adejumo P, Noormahomed EV, Deckelbaum RJ, Fowler MG, Tshilolo L, Smith G, Mills EJ, Umar LW, Siedner MJ, Kruger M, Rosenthal PJ, Mellors JW, Mofenson LM, for the African Forum for Research and Education in Health (AFREhealth) COVID-19 research collaboration on children and adolescents includes: [**Kengne AP**]. Assessment of clinical outcomes among children and adolescents hospitalized with COVID-19 in 6 Sub-Saharan African countries. *JAMA Pediatrics*. 2022 Jan 19.
DOI: 10.1001/jamapediatrics.2021.6436
6. Ngobese A, Govender S, **Peer N**, Sheik-Gafoor MH. Caustic ingestion in children treated at a tertiary centre in South Africa: Can upper endoscopy be omitted in asymptomatic patients? *Pediatric Surgery International*. 2022 Jan 9.
DOI: 10.1007/s00383-021-05045-3

South African Cochrane Centre

1. **Jaca A**, **Malinga T**, Iwu-Jaja CJ, **Nnaji CA**, Okeibunor JC, Kamuya D, **Wiysonge CS**. Strengthening the health system as a strategy to achieving a universal health coverage in underprivileged communities in Africa: A scoping review. *International Journal of Environmental Research and Public Health*. 2022 Jan 5;19(1):587.
DOI: 10.3390/ijerph19010587

2. **Ndwandwe DE, Runeyi S, Pienaar E, Mathebula L, Hohlfeld A, Wiysonge CS.** Practices and trends in clinical trial registration in the Pan African Clinical Trials Registry (PACTR): A descriptive analysis of registration data. *BMJ Open*. 2022 Jan 25;12(1):e057474.
DOI: 10.1136/bmjopen-2021-057474
3. **Wiysonge CS, Alobwede SM, de Marie C, Katoto P, Kidzeru EB, Lumngwena EN, Cooper S, Goliath R, Jackson A, Shey MS.** COVID-19 vaccine acceptance and hesitancy among healthcare workers in South Africa. *Expert Review of Vaccines*. 2022 Jan 6.
DOI: 10.1080/14760584.2022.2023355

2. EXTRAMURAL RESEARCH UNITS

Antibody Immunity

1. Cele S, Karim F, Lustig G, San JE, **Hermanus T**, Tegally H, Snyman J, **Moyo-Gwete T**, Wilkinson E, Bernstein M, Khan K, Hwa SH, Tilles SW, Singh L, Giandhari J, Mthabela N, Mazibuko M, Ganga Y, Gosnell BI, Karim SSA, Hanekom W, Van Voorhis WC, Ndung'u T; COMMIT-KZN Team (include: Harling G, Herbst K, Leslie AJ, Steyn, A), Lessells RJ, **Moore PL**, Moosa MS, de Oliveira T, Sigal A. SARS-CoV-2 prolonged infection during advanced HIV disease evolves extensive immune escape. *Cell Host & Microbe*. 2022 Jan 14.
DOI: 10.1016/j.chom.2022.01.005
2. Keeton R, Tincho MB, Ngomti A, Baguma R, Benede N, Suzuki A, Khan K, Cele S, Bernstein M, Karim F, **Madzorera SV, Moyo-Gwete T**, Mennen M, Skelem S, Adriaanse M, Mutithu D, Aremu O, Stek C, du Bruyn E, Van Der Mescht MA, de Beer Z, de Villiers TR, Bodenstein A, van den Berg G, Mendes A, Strydom A, Venter M, Giandhari J, Naidoo Y, Pillay S, Tegally H, Grifoni A, Weiskopf D, Sette A, Wilkinson RJ, de Oliveira T, Bekker LG, Gray G, Ueckermann V, Rossouw T, Boswell MT, **Bihman J, Moore PL**, Sigal A, Ntusi NAB, Burgers WA, Riou C. T cell responses to SARS-CoV-2 spike cross-recognize Omicron. *Nature*. 2022 Jan 31.
DOI: 10.1038/s41586-022-04460-3
3. **Richardson SI, Manamela NP, Motsoeneng BM, Kaldine H, Ayres F, Makhado Z**, Mennen M, Skelem S, Williams N, Sullivan NJ, Misasi J, Gray GG, Bekker LG, Ueckermann V, Rossouw TM, Boswell MT, Ntusi NAB, Burgers WA, **Moore PL**. SARS-CoV-2 Beta and Delta variants trigger Fc effector function with increased cross-reactivity. *Cell Reports Medicine*. 2022 Jan 17.
DOI: 10.1016/j.xcrm.2022.100510
4. Wolter N, Jassat W, Walaza S, Welch R, Moultrie H, Groome M, Amoako DG, Everatt J, **Bhiman JN, Scheepers C**, Tebeila N, Chiwandire N, du Plessis M, Govender N, Ismail A, Glass A, Mlisana K, Stevens W, Treurnicht FK, Makatini Z, Hsiao NY, Parboosing R, Wadula J, Hussey H, Davies MA, Boule A, von Gottberg A, Cohen C. Early assessment of the clinical severity of the SARS-CoV-2 omicron variant in South Africa: A data linkage study. *The Lancet*. 2022 Jan 19.
DOI: 10.1016/S0140-6736(22)00017-4

Antiviral Gene Therapy

1. **Samudh N, Shrilall C, Arbuthnot P, Bloom K, Ely A.** Diversity of dysregulated long non-coding RNAs in HBV-related hepatocellular carcinoma. *Frontiers in Immunology*. 2022 Jan 28;13:834650.
DOI: 10.3389/fimmu.2022.834650

Bioinformatics Capacity Development

1. Anand K, Ramesh M, Singh T, Balakumar C, Chithravel V, Prasher P, Katari NK, Gupta G, Singh SK, Chellappan DK, Dua K, Chavda V, Laishevtcev A, **Shahbaaz M**, Abdellatif MH, Saravanan M, Chuturgoon AA. One-step synthesis of picolinohydrazides from fusaric acid: DFT, structural characterization and molecular inhibitory studies on metastatic tumor-derived exosomal and non-exosomal proteins. *Journal of Molecular Structure*. 2022 Jan 19.
DOI: 10.1016/j.molstruc.2022.132442

Centre for Health Economic and Decision Science

1. Immurana M, **Boachie MK**, Klu D, Dalaba MA, Manyeh AK, Alhassan RK. Determinants of willingness to accept child vaccination against malaria in Ghana. *International Journal of Health Planning and Management*. 2022 Jan 4.
DOI: 10.1002/hpm.3406

Child and Adolescent Lung Health

1. Cohen C, **Zar HJ**. Deaths from RSV in young infants-The hidden community burden. *The Lancet Global Health*. 2022 Jan 18.
DOI: 10.1016/s2214-109x(21)00558-1
2. **Roos A, Wedderburn CJ**, Fouche JP, Joshi SH, Narr KL, Woods RP, **Zar HJ**, Stein DJ, **Donald KA**. Prenatal depression exposure alters white matter integrity and neurodevelopment in early childhood. *Brain Imaging and Behavior*. 2022 Jan 9.
DOI: 10.1007/s11682-021-00616-3

Developmental Pathways for Health

1. **Chikowore T**, Ekoru K, Vujkovi M, Gill D, Pirie F, Young E, Sandhu MS, McCarthy M, Rotimi C, Adeyemo A, Motala A, Fatumo S. Polygenic prediction of type 2 diabetes in Africa. *Diabetes Care*. 2022 Jan 11.
DOI: 10.2337/dc21-0365
2. Farrell A, Mapanga W, Chitha N, Ashton J, **Joffe M**. Characteristics, enablers and barriers affecting entrepreneurial behaviour for academics in low- and middle-income countries: A scoping review. *Development Southern Africa*. 2022 Jan 27.
DOI: 10.1080/0376835x.2022.2027230
3. Metheny N, Stephenson R, Darbes LA, Chavanduka TMD, Essack Z, **van Rooyen H**. Correlates of substance misuse, transactional sex, and depressive symptomatology among partnered gay, bisexual and other men who have sex with men in South Africa and Namibia. *AIDS and Behavior*. 2022 Jan 8.
DOI: 10.1007/s10461-021-03549-6
4. Okely AD, Ghersi D, Loughran SP, Cliff DP, Shilton T, Jones RA, Stanley RM, Sherring J, Toms N, Eckermann S, Olds TS, Zhang Z, Parrish AM, Kervin L, Downie S, Salmon J, Bannerman C, Needham T, Marshall E, Kaufman J, Brown L, Wille J, Wood G, Lubans DR, Biddle SJH, Pill S, Hargreaves A, Jonas N, Schranz N, Campbell P, Ingram K, Dean H, Verrender A, Ellis Y, Chong KH, Dumuid D, Katzmarzyk PT, **Draper CE**, Lewthwaite H, Tremblay MS. A collaborative approach to adopting/adapting guidelines. The Australian 24-hour movement guidelines for children (5-12 years) and young people (13-17 years): An integration of physical activity, sedentary behaviour, and sleep. *International Journal of Behavioral Nutrition and Physical Activity*. 2022 Jan 6;19(1):2.
DOI: 10.1186/s12966-021-01236-2
5. Pumpalova YS, **Ayeni OA**, Chen WC, Buccimazza I, Cacala S, Stopforth LW, Farrow HA, Mapanga W, Nietz S, Phakathi B, **Joffe M**, McCormack V, Jacobson JS, Crew KD, Neugut AI, **Ruff P**, Cubasch H, O'Neil DS. The impact of breast cancer treatment delays on survival among South African women. *The Oncologist*. 2022 Jan 31.
DOI: 10.1093/oncolo/oyab054
6. **Soepnel LM, Kolkenbeck-Ruh A, Crouch SH, Draper CE, Ware LJ, Lye SJ, Norris SA**. Prevalence and socio-structural determinants of tobacco exposure in young women: Data from the Healthy Trajectories Initiative (HeLTI) study in urban Soweto, South Africa. *Drug and Alcohol Dependence*. 2022 Jan 10.
DOI: 10.1016/j.drugalcdep.2022.109300

7. **Soepnel LM, Nicolaou V, Draper CE**, Levitt NS, Klipstein-Grobusch K, **Norris SA**. Cognitive and motor development in 3- to 6-year-old children born to mothers with hyperglycaemia first detected in pregnancy in an urban African population. *Maternal and Child Health Journal*. 2022 Jan 08. DOI: 10.1007/s10995-021-03331-z

Herbal Drugs

1. Anokwuru CP, Makolo FL, **Sandasi M**, Tankeu SY, Elisha IL, Agoni C, **Combrinck S, Viljoen A**. Cannabigerol: A bibliometric overview and review of research on an important phytocannabinoid. *Phytochemistry Reviews*. 2022 Jan 24. DOI: 10.1007/s11101-021-09794-w

HIV/TB Pathogenesis and Treatment

1. **Gengiah TN, Abdool Karim Q, Harkoo I, Mansoor L, Zuma NY, Radebe P, Samsunder N, Baxter C, Maharaj B**, Baum MM, Moss JA, Pozzetto B, Hankins C, **Abdool Karim S**. CAPRISA 018: A phase I/II clinical trial study protocol to assess the safety, acceptability, tolerability and pharmacokinetics of a sustained release tenofovir alafenamide subdermal implant for HIV prevention in women. *BMJ Open*. 2022 Jan 6;12(1):e052880. DOI: 10.1136/bmjopen-2021-052880

Maternal and Infant Health Care Strategies

1. **Oosthuizen S, Bergh AM, Silver A**, Malatji R, Mfolo V, Botha T. Maternity healthcare providers' self-perceptions of well-being during COVID-19: A survey in Tshwane health district, South Africa. *African Journal of Primary Health Care and Family Medicine*. 2022 Jan 12;14(1):e1-e10. DOI: 10.4102/phcfm.v14i1.3034

Microbial Water Quality Monitoring

1. Bika SH, **Adeniji AO, Okoh AI, Okoh OO**. Spatiotemporal distribution and analysis of organophosphate flame retardants in the environmental systems: A review. *Molecules*. 2022 Jan 17;27(2):573. DOI: 10.3390/molecules27020573
2. **Mdeni NL, Adeniji AO, Okoh AI, Okoh OO**. Analytical evaluation of carbamate and organophosphate pesticides in human and environmental matrices: A review. *Molecules*. 2022 Jan 18;27(3):618. DOI: 10.3390/molecules27030618

Molecular Mycobacteriology

1. Acquah KS, Beukes DR, Seldon R, **Jordaan A**, Sunassee SN, **Warner DF**, Gammon DW. Identification of antimycobacterial natural products from a library of marine invertebrate extracts. *Medicines (Basel)*. 2022 Jan 28;9(2):9. DOI: 10.3390/medicines9020009
2. Zürcher K, Riou J, Morrow C, Ballif M, **Koch A**, Bertschinger S, **Warner DF**, Middelkoop K, Wood R, Egger M, Fenner L. Estimating tuberculosis transmission risks in a primary care clinic in South Africa: Modeling of environmental and clinical data. *Journal of Infectious Diseases*. 2022 Jan 18;jiab534. DOI: 10.1093/infdis/jiab534

Precision Oology/Precision Prevention and novel Drug Targets for Hiv Associated Cancers

1. **Mabeta P, Hull R, Dlamini Z**. LncRNAs and the angiogenic switch in cancer: Clinical significance and therapeutic opportunities. *Genes*. 2022 Jan 15;13(1):152. DOI: 10.3390/genes13010152

2. **Marima R, Hull R, Mbeje M, Molefi T, Mathabe K, Elbagory AM, Demetriou D, Dlamini Z.** Role of precision oncology in type II endometrial and prostate cancers in the African population: Global cancer genomics disparities. *International Journal of Molecular Sciences*. 2022 Jan 6; 23(2):628.
DOI: 10.3390/ijms23020628
3. Setlai BP, **Hull R, Reis RM**, Agbor C, Ambele MA, Mulaudzi TV, **Dlamini Z.** MicroRNA interrelated Epithelial Mesenchymal Transition (EMT) in glioblastoma. *Genes*. 2022 Jan 27; 13(2):244.
DOI: 10.3390/genes13020244

Risk and Resilience in Mental Disorders

1. GBD 2019 Dementia forecasting collaborators includes: [**Stein DJ**]. Estimation of the global prevalence of dementia in 2019 and forecasted prevalence in 2050: An analysis for the Global Burden of Disease study 2019. *The Lancet Public Health*. 2022 Jan 6.
DOI: 10.1016/S2468-2667(21)00249-8
2. GBD 2019 Mental disorders collaborators: Includes: [**Stein DJ**]. Global, regional, and national burden of 12 mental disorders in 204 countries and territories, 1990-2019: A systematic analysis for the Global Burden of Disease study 2019. *Lancet Psychiatry*. 2022 Jan 10.
DOI: 10.1016/s2215-0366(21)00395-3
3. Montoya MI, Kogan CS, Rebello TJ, Sadowska K, Garcia-Pacheco JA, Khoury B, Kulygina M, Matsumoto C, Robles R, Huang J, Andrews HF, Ayuso-Mateos JL, Denny K, Gaebel W, Gureje O, Kanba S, Mare K, Medina-Mora ME, Pike KM, Roberts MC, Sharan P, **Stein DJ**, Scott Stroup T, Zhao M, Reed GM. An international survey examining the impact of the COVID-19 pandemic on telehealth use among mental health professionals. *Journal of Psychiatric Research*. 2022 Jan 29.
DOI: 10.1016/j.jpsychires.2022.01.050
4. Planting T, Koopowitz SM, **Stein DJ.** Coulrophobia: An investigation of clinical features. *South African Journal of Psychiatry*. 2022 Jan 19;28:a1653.
DOI: 10.4102/sajpsychiatry.v28i0.1653
5. Wedderburn CJ, Groenewold NA, **Roos A**, Yeung S, Fouche JP, Rehman AM, Gibb DM, Narr KL, Zar HJ, **Stein DJ**, Donald KA. Early structural brain development in infants exposed to HIV and antiretroviral therapy in utero in a South African birth cohort. *Journal of the International AIDS Society*. 2022 Jan 18;25(1):e25863.
DOI: 10.1002/jia2.25863

Rural Public Health and Health Transition

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4. RESEARCH CENTRES

Centre for Sustainable Malaria Control

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5. RESEARCH UNITS WITH NO QUALIFYING PUBLICATIONS

Intramural

- Gender and Health
- Genomics Centre
- Office of AIDS
- Office of Malaria
- Office of the President/Vice-President
- Office of Tuberculosis
- Primate

Extramural

- Cardiometabolic Health
- Centre for Antimicrobial Resistance
- Common Epithelial Cancer
- Drug Discovery and Development
- Genomics of Brain Disorders
- Gynaecological Cancer
- Health Services to Systems
- Hypertension and Cardiovascular Disease
- Masculinity and Health Research
- Precision and Genomic Medicine
- South African Population Research Infrastructure Network
- 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 Tuberculosis Biomarker-Targeted Intervention
- Clinical and Community HIV-Tuberculosis Research Collaborating Centre
- 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 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 JANUARY 2022					
SAMRC Unit	Funder	Main Funder	Project Title/Description	Contract Value	
				Rand	Foreign Currency
Cochrane	EDCTP	EDCTP	Clinical Trials partnership Programme, Multi-beneficiary agreement GELA (Total funding € 3,216,366)	R 12,902,774.00	-
GPID	ABSA	BMGF	Economic evaluation study concluded between the parties for purposes of developing an economic evaluation regard SAMRC 'Imagine' social impact bond.	R 2,173,913.00	-
	Department of Science & Innovation (DSI)	Department of Science & Innovation (DSI)	Management of the strategic health innovation partnership programme.	R 30,626,776.00	-
	New Venture Fund	New Venture Fund	Southern Africa Funders Forum	R 3,076,160.00	-
HPRU	Fred Hutchinson	National Institute of Health	CoVPN 3008 Protocol Funding - Isipingo	R 24,218,331.00	-
			CoVPN 3008 Protocol Funding - Tongaat	R 24,218,331.00	-

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