



CELEBRATES SCIENCE



DECEMBER 2021

1. INTRAMURAL RESEARCH UNITS

Alcohol, Tobacco and Other Drug

1. Bonner CP, Fisher CB, **Carney T**, Browne FA, Gichane MW, Howard BN, Turner L, Wechsberg WM. "Because all mothers is not the same": The development and implementation of an in loco parentis informed consent procedure to enroll adolescent girls and young women to participate in HIV research. *Journal of Adolescence*. 2021 Dec 9. DOI: 10.1016/j.adolescence.2021.11.001
2. **Brooke-Sumner C, Petersen-Williams P**, Wagener E, Sorsdahl K, Aarons GA, **Myers B**. Adaptation of the Texas Christian University Organisational Readiness for Change Short Form (TCU-ORC-SF) for use in primary health facilities in South Africa. *BMJ Open*. 2021 Dec 17; 11(12):e047320. DOI: 10.1136/bmjopen-2020-047320
3. **Carney T**, Hopkins J, Laubscher R, **Siegfried N**. Factors associated with current substance use among a sample of homeless individuals in Cape Town, South Africa: A secondary data analysis. *Journal of Ethnicity in Substance Abuse*. 2021 Dec 10:1-14. DOI: 10.1080/15332640.2021.2011817

Biomedical Research and Innovation Platform

1. **Muller CJF**, Joubert E, **Chellan N**, Miura Y, Yagasaki K. New insights into the efficacy of aspalathin and other related phytochemicals in type 2 diabetes - A review. *International Journal of Molecular Sciences*. 2021 Dec 29;23(1):356. DOI: 10.3390/ijms23010356
2. **Ntamo Y**, Ziqubu K, **Chellan N**, Nkambule BB, Nyambuya TM, Mazibuko-Mbeje SE, **Gabuza KB**, Marcheggiani F, Tiano L, **Dludla PV**. Drug-induced liver injury: Clinical evidence of N-Acetyl cysteine protective effects. *Oxidative Medicine and Cellular Longevity*. 2021 Dec 06;2021:3320325. DOI: 10.1155/2021/3320325
3. **Sangweni NF, Dludla PV, Chellan N, Mabasa L, Sharma JR, Johnson R**. The implication of low dose dimethyl sulfoxide on mitochondrial function and oxidative damage in cultured cardiac and cancer cells. *Molecules*. 2021 Dec 1;26(23):7305. DOI: 10.3390/molecules26237305

Biostatistics

1. Mabaso M, Maseko G, Sewpaul R, Naidoo I, Jooste S, Takatshana S, **Reddy T**, Zuma K, Zungu N. Trends and correlates of HIV prevalence among adolescents in South Africa: Evidence from the 2008, 2012 and 2017 South African National HIV prevalence, incidence and behaviour surveys. *AIDS Research and Therapy*. 2021 Dec 14;18(1):97. DOI: 10.1186/s12981-021-00422-3
2. Rees H, Chersich MF, Munthali RJ, Brumskine W, Palanee-Phillips T, Nkala B, Ahmed K, Sebe M, Mabude Z, Nchabeleng M, Bekker LG, Kotze P, Mogodiri T, Naidoo I, Panchia R, Myer L, **Lombard C**, Doncel GF, Gray G, Delany-Moretlwe S. HIV incidence among pregnant and nonpregnant women in the FACTS-001 Trial: Implications for HIV prevention, especially PrEP use. *Journal of Acquired Immune Deficiency Syndromes*. 2021 Dec 1;88(4):376-383. DOI: 10.1097/QAI.0000000000002785
3. Woldesenbet S, Kufa T, **Lombard C, Manda S**, Morof D, Cheyip M, Ayalew K, Puren A. The prevalence of unintended pregnancy and its association with HIV status among pregnant women in South Africa, a national antenatal survey, 2019. *Scientific Reports*. 2021 Dec 9;11(1):23740. DOI: 10.1038/s41598-021-03096-z

Burden of Disease

1. **Turawa E, Awotiwon O, Dhansay MA, Cois A, Labadarios D, Bradshaw D, Pillay-van Wyk V.** Prevalence of anaemia, iron deficiency, and iron deficiency anaemia in women of reproductive age and children under 5 years of age in South Africa (1997-2021): A systematic review. *International Journal of Environmental Research and Public Health*. 2021 Dec 4;18(23):12799.
DOI: 10.3390/ijerph182312799

Centre for Tuberculosis

1. **Dippenaar A, Ismail N, Grobbelaar M, Oostvogels S, De Vos M, Streicher EM, Heupink TH, Van Rie A, Warren RM.** Optimizing liquefaction and decontamination of sputum for DNA extraction from *Mycobacterium tuberculosis*. *Tuberculosis*. 2021 Dec 9.
DOI: 10.1016/j.tube.2021.102159
2. **Pahar M, Klopfer M, Warren R, Niesler T.** COVID-19 detection in cough, breath and speech using deep transfer learning and bottleneck features. *Computers in Biology and Medicine*. 2021 Dec 17.
DOI: 10.1016/j.combiomed.2021.105153
3. **Patterson SJ, Clarke C, Clutton-Brock TH, Miller MA, Parsons SDC, Pfeiffer DU, Vergne T, Drewe JA.** Combining analytical approaches and multiple sources of information to improve interpretation of diagnostic test results for tuberculosis in wild meerkats. *Animals*. 2021 Dec 4;11(12):3453.
DOI: 10.3390/ani11123453
4. **Shaw JA, Wilken E, Allwood BW, Irusen EM, Koegelenberg CFN.** Autologous blood patch pleurodesis for the management of a persistent air leak after secondary spontaneous pneumothorax. *Respiration*. 2021 Dec 14.
DOI: 10.1159/000520656

Environment and Health

1. **Olajide-Ibiejugba AO, Nkosi V, Takalani-Rathogwa F, Shirinde J, Wichmann J, Green RJ, Voyi K.** Allergy and household living conditions among adolescents living near gold mine tailing dumps in the Gauteng and North West Provinces of South Africa. *International Journal of Environmental Research and Public Health*. 2021 Dec 23.
DOI: 10.3390/ijerph19010122

Gender and Health

1. **Gibbs A, Mkhwanazi S, Sikweyiya Y.** Stepping stones and creating futures: A group-based approach to addressing violence against women through working with men. *Journal of Clinical Psychology*. 2021 Dec 16.
DOI: 10.1002/jclp.23293
2. **Hanass-Hancock J, Carpenter B, Reddy T, Nzuzwa A, Gaffoor Z, Goga A, Andrasik M.** Participants' characteristics and motivations to screen for HIV vaccine and monoclonal antibody trials in KwaZulu-Natal, South Africa. *Trials*. 2021 Dec 11;22(1):897.
DOI: 10.1186/s13063-021-05792-7
3. **Machisa MT, Chirwa ED, Mahlangu P, Sikweyiya Y, Nunze N, Dartnall E, Pillay M, Jewkes R.** Factors associated with female students' past year experience of sexual violence in South African public higher education settings: A cross-sectional study. *PloS ONE*. 2021 Dec 2;16(12):e0260886.
DOI: 10.1371/journal.pone.0260886

Non-Communicable Disease

1. Malczyk S, Steyn NP, Nel JH, Eksteen G, Drummond L, Oldewage-Theron W, **Faber M, van Stuijvenberg ME**, Senekal M. Mean \pm standard deviation intake values for 1-<10-year-old South African children for application in the assessment of the inflammatory potential of their diets using the DII[®] method: Developmental research. *Nutrients*. 2021 Dec 21. DOI: 10.3390/nu14010011

Office of the President/Vice-President

1. Mendelson M, Venter F, Moshabela M, **Gray G**, Blumberg L, de Oliveira T, Madhi SA. The political theatre of the UK's travel ban on South Africa. *Lancet*. 2021 Dec 3. DOI: 10.1016/s0140-6736(21)02752-5

South African Cochrane Centre

1. **Katoto PDMC**, Aboubacar I, Oumarou B, Adehossi E, Anya BM, Mounkaila A, Moustapha A, Ishagh EK, Diawara GA, Nsiari-Muzeyi BJ, Didier T, **Wiysonge CS**. Clinical features and predictors of mortality among hospitalized patients with COVID-19 in Niger. *Conflict and Health*. 2021 Dec 14;15(1):89. DOI: 10.1186/s13031-021-00426-w

2. EXTRAMURAL RESEARCH UNITS

Antibody Immunity

1. Riou C, Keeton R, **Moyo-Gwete T, Hermanus T, Kgagudi P**, Baguma R, Valley-Omar Z, Smith M, Tegally H, Doolabh D, Iranzadeh A, Tyers L, Mutavhatsindi H, Tincho MB, Benede N, Marais G, Chinhoyi LR, Mennen M, Skelem S, Stek C, Williamson C, **Moore PL**, Wilkinson RJ, Ntusi NAB, Burgers WA, Abrahams F, Ayres F, Goliath RT, Hanekom W, Hardie D, Hsiao NY, Klooverpris H, Korsman S, Lakay F, Lambson B, Leslie A, Makhado Z, Maseko M, Mhlanga D, Naidoo M, Ndhlovu Z, Ngomti A, Oosthuysen B, Ruzive S, Sigal A, Smith T, Valley-Omar Z, Zvinairo K. Escape from recognition of SARS-CoV-2 Beta variant spike epitopes but overall preservation of T cell immunity. *Science Translational Medicine*. 2021 Dec 21.
DOI: 10.1126/scitranslmed.abj6824

Antiviral Gene Therapy

1. **Mnyandu N, Limani SW, Arbuthnot P, Maepa MB**. Advances in designing Adeno-associated viral vectors for development of anti-HBV gene therapeutics. *Virology Journal*. 2021 Dec 13; 18(1):247.
DOI: 10.1186/s12985-021-01715-9

Bioinformatics Capacity Development

1. **Rossouw S, Bendou H**, Bell L, Rigby J, **Christoffels A**. Effect of polyethylene glycol 20 000 on protein extraction efficiency of formalin-fixed paraffin-embedded tissues in South Africa. *African Journal of Laboratory Medicine*. 2021 Dec 17;10(1):1122.
DOI: 10.4102/ajlm.v10i1.1122

Cardiometabolic Health

1. **Raghubeer S, Matsha TE**. Methylene tetrahydrofolate (MTHFR), the one-carbon cycle, and cardiovascular risks. *Nutrients*. 2021 Dec 20;13(12):4562.
DOI: 10.3390/nu13124562

Child and Adolescent Lung Health

1. Hüls A, Wedderburn CJ, **Groenewold NA**, Gladish N, Jones MJ, Koen N, MacIsaac JL, Lin DTS, Ramadori KE, Epstein MP, Donald KA, Kobor MS, **Zar HJ**, Stein DJ. Newborn differential DNA methylation and subcortical brain volumes as early signs of severe neurodevelopmental delay in a South African Birth Cohort Study. *World Journal of Biological Psychiatry*. 2021 Dec 13.
DOI: 10.1080/15622975.2021.2016955

Developmental Pathways for Health

1. Chivese T, Hirst J, Matizandzo JT, Custodio M, Farmer A, **Norris S**, Levitt N. The diagnostic accuracy of HbA1c, compared to the oral glucose tolerance test, for screening for type 2 diabetes mellitus in Africa - A systematic review and meta-analysis. *Diabetic Medicine*. 2021 Dec 01:e14754.
DOI: 10.1111/dme.14754
2. **Crouch SH, Soepnel LM, Kolkenbeck-Ruh A**, Maposa I, **Naidoo S, Davies J, Norris SA, Ware LJ**. Paediatric hypertension in Africa: A systematic review and meta-analysis. *EClinicalMedicine*. 2021 Dec 6.
DOI: 10.1016/j.eclinm.2021.101229
3. **Dlamini SN, Mukoma G, Norris SA**. Should fast-food nutritional labelling in South Africa be mandatory? *South African Journal of Clinical Nutrition*. 2021 Dec 2.
DOI: 10.1080/16070658.2021.2003058

4. **Draper CE, Silubonde TM, Mukoma G, Van Sluijs EMF.** Perceptions of the South African 24-hour movement guidelines for birth to 5 years: A qualitative study. *Journal of Physical Activity and Health.* 2021 Dec 9.
DOI: 10.1123/jpah.2021-0483
5. Munambah N, Gretschel P, Muchirahondo FC, Chiwaridzo M, Chikwanha TM, Kariippanon KE, Chong KH, Cross PL, **Draper CE**, Okely AD. 24 Hour movement behaviours and the health and development of pre-school children from Zimbabwean settings: The SUNRISE pilot study. *South African Journal of Sports Medicine.* 2021 Dec 9;33(1):1-9.
DOI: 10.17159/2078-516X/2021/v33i1a10864
6. **Ratshikombo T, Goedecke JH, Soboyisi M, Kufe C, Makura-Kankwende CBT, Masemola M, Micklesfield LK, Chikowore T.** Sex differences in the associations of nutrient patterns with total and regional adiposity: A study of middle-aged black South African men and women. *Nutrients.* 2021 Dec 20;13(12):4558.
DOI: 10.3390/nu13124558
7. **Rochat TJ**, Dube S, Herbst K, Hoegfeldt CA, **Redinger S**, Khoza T, Bland RM, Richter L, Linsell L, Desmond C, Yousafzai AK, Craske M, Juszczak E, Abas M, Edwards T, Ekers D, Stein A. An evaluation of a combined psychological and parenting intervention for HIV-positive women depressed in the perinatal period, to enhance child development and reduce maternal depression: study protocol for the Insika Yomama cluster randomised controlled trial. *Trials.* 2021 Dec 13; 22(1):914.
DOI: 10.1186/s13063-021-05672-0

Health Services to Systems

1. Michelo C, Hurtig AK, **Schneider H.** Working towards inclusive, socially accountable and resilient community health systems: An introduction to a special issue. *International Journal of Health Policy and Management.* 2021 Dec 13.
DOI: 10.34172/ijhpm.2021.166

Herbal Drugs

1. Leigh-de Rapper S, **Viljoen A**, van Vuuren S. Essential oil blends: The potential of combined use for respiratory tract infections. *Antibiotics (Basel).* 2021 Dec 10;10(12):1517.
DOI: 10.3390/antibiotics10121517

Masculinity and Health Research

1. **Seedat M, Suffla S**, Ndlovu-Gatsheni S. Mbeki's 'I am an African' speech: Mobilising psychopolitical resources for political reconstitution of post-apartheid South Africa. *African Studies.* 2021 Dec 16;80(3-4):451-65.
DOI: 10.1080/00020184.2021.2012754

Risk and Resilience in Mental Disorders

1. 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 L, Elvsåshagen T, Eyler LT, Fullerton JM, Goikolea JM, Goltermann J, Grotegerd D, Haarman BCM, Hahn T, Howells FM, Ingvar M, 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, Van Gestel H, Vargas C, Vieta E, Vreeker A, Waltemate L, Yatham LN, Ching CRK, Andreassen OA, Thompson PM, Hajek T; ENIGMA Bipolar Disorders Working Group. Diagnosis of bipolar disorders and body mass index predict clustering based on similarities in cortical thickness-ENIGMA study in 2436 individuals. *Bipolar Disorders*. 2021 Dec 11.
DOI: 10.1111/bdi.13172
2. Ottino-Gonzalez J, Albaugh MD, Cao Z, Cupertino RB, Schwab N, Spechler PA, Allen N, Artiges E, Banaschewski T, Bokde ALW, Burke Quinlan E, Brühl R, Orr C, Cousijn J, Desrivieres S, Flor H, Foxe JJ, Fröhner JH, Goudriaan AE, Gowland P, Grigis A, Heinz A, Hester R, Hutchison K, Li CR, London ED, Lorenzetti V, Luijten M, Nees F, Martin-Santos R, Martinot JL, Millenet S, Momenan R, Paillère Martinot ML, Papadopoulos Orfanos D, Paulus MP, Poustka L, Schmaal L, Schumann G, Sinha R, Sjoerds Z, Smolka MN, Solowij N, **Stein DJ**, Stein EA, Uhlmann A, van Holst RJ, Veltman DJ, Walter H, Whelan R, Wiers RW, Yücel M, Zhang S, Jahanshad N, Thompson PM, Conrod P, Mackey S, Garavan H. Brain structural covariance network differences in adults with alcohol dependence and heavy drinking adolescents. *Addiction*. 2021 Dec 14.
DOI: 10.1111/add.15772

Rural Public Health and Health Transition

1. Bassil DT, Farrell MT, **Wagner RG**, Brickman AM, Glymour MM, Langa KM, Manly JJ, Salinas J, Tipping B, **Tollman S**, Berkman LF. Cohort profile update: Cognition and dementia in the health and aging in Africa longitudinal study of an INDEPTH community in South Africa (HAALSI dementia). *International Journal of Epidemiology*. 2021 Dec 6:dyab250.
DOI: 10.1093/ije/dyab250
2. **Houle B**, Gaziano TA, **Angotti N**, **Mojola SA**, **Kabudula CW**, **Tollman SM**, **Gómez-Olivé FX**. Hypertension incidence among middle-aged and older adults: Findings from a 5-year prospective study in rural South Africa, 2010-2015. *BMJ Open*. 2021 Dec 7;11(12):e049621.
DOI: 10.1136/bmjopen-2021-049621

3. GRANT FUNDED RESEARCH

1. Arumugam T, Ramphal U, Adimulam T, Chinniah R, **Ramsuran V**. Deciphering DNA methylation in HIV Infection. *Frontiers in Immunology*. 2021 Dec 2;12:795121.
DOI: 10.3389/fimmu.2021.795121
2. Asif S, Baxevanidi E, Hill A, **Venter WDF**, Fairlie L, Masenya M, Serenata C, Sokhela S, Chandiwana N. The predicted risk of adverse pregnancy outcomes as a result of treatment-associated obesity in a hypothetical population receiving tenofovir alafenamide/emtricitabine/dolutegravir, tenofovir disoproxil fumarate/emtricitabine/dolutegravir or tenofovir disoproxil fumarate/emtricitabine/efavirenz. *AIDS*. 2021 Dec 15;35(Suppl 2):S117-s25.
DOI: 10.1097/qad.0000000000003020
3. Bagula H, Olaniyan T, de Hoogh K, Saucy A, Parker B, Leaner J, **Röösli M, Dalvie MA**. Ambient air pollution and cardiorespiratory outcomes amongst adults residing in four informal settlements in the Western Province of South Africa. *International Journal of Environmental Research and Public Health*. 2021 Dec 17;18(24):13306.
DOI: 10.3390/ijerph182413306
4. **Chen D-G**, Gao H, Ji C. Bayesian inference for stochastic cusp catastrophe model with partially observed data. *Mathematics*. 2021 Dec 15;9(24):3245.
DOI: 10.3390/math9243245
5. Dabee S, Tanko RF, Brown BP, Bunjun R, Balle C, Feng C, Konstantinus IN, Jaumdally SZ, Onono M, Nair G, Palanee-Phillips T, Gill K, Baeten JM, Bekker L-G, **Passmore J-AS**, Heffron R, Jaspán HB, Happel A-U. Comparison of female genital tract cytokine and microbiota signatures induced by initiation of intramuscular DMPA and NET-EN hormonal contraceptives - A prospective cohort analysis. *Frontiers in Immunology*. 2021 Dec 9;12:760504.
DOI: 10.3389/fimmu.2021.760504
6. Di Costanzo F, Di Dato V, van Zyl LJ, Cutignano A, Esposito F, **Trindade M**, Romano G. Three novel bacteria associated with two centric diatom species from the Mediterranean Sea, *Thalassiosira rotula* and *Skeletonema marinoi*. *International Journal of Molecular Sciences*. 2021 Dec 7; 22(24):13199.
DOI: 10.3390/ijms222413199
7. Gibhard L, **Coertzen D, Reader J, van der Watt ME, Birkholtz LM**, Wong HN, Batty KT, **Haynes RK**, Wiesner L. The Artemiside-Artemisox-Artemisone-M1 tetrad: Efficacies against blood stage *P. falciparum* parasites, dmpk properties, and the case for artemiside. *Pharmaceutics*. 2021 Dec 3;13(12):2066.
DOI: 10.3390/pharmaceutics13122066
8. Govender T, Suleman F, **Perumal-Pillay VA**. Evaluating the implementation of the Standard Treatment Guidelines (STGs) and Essential Medicines List (EML) at a public South African tertiary institution and its associated Primary Health Care (PHC) facilities. *Journal of Pharmaceutical Policy and Practice*. 2021 Dec 14;14(1):105.
DOI: 10.1186/s40545-021-00390-z
9. Jamieson L, Serenata C, Makhubele L, Sokhela S, Mashabane N, Akpomiemie G, Johnson LF, **Venter WDF**, Meyer-Rath G. Cost and cost-effectiveness of dolutegravir-based antiretroviral regimens: An economic evaluation of a clinical trial. *AIDS*. 2021 Dec 15;35(Supplement 2):S173-S82.
DOI: 10.1097/QAD.0000000000003068

10. Jeje O, Maake R, van Deventer R, Esau V, Iwuchukwu EA, Meyer V, Khoza T, **Achilonu I**. Effect of divalent metal ion on the structure, stability and function of Klebsiella pneumoniae Nicotinate-Nucleotide Adenylyltransferase: Empirical and computational studies. *International Journal of Molecular Sciences*. 2021 Dec 23.
DOI: 10.3390/ijms23010116
11. Mbuayama KR, Taute H, Strömstedt AA, Bester MJ, **Gaspar ARM**. Antifungal activity and mode of action of synthetic peptides derived from the tick OsDef2 defensin. *Journal of Peptide Science*. 2021 Dec 5:e3383.
DOI: 10.1002/psc.3383
12. McCluskey SM, Pepperrell T, Hill A, **Venter WDF**, Gupta RK, Siedner MJ. Adherence, resistance, and viral suppression on dolutegravir in sub-Saharan Africa: Implications for the TLD era. *AIDS*. 2021 Dec 15;35(Supplement 2):S127-S35.
DOI: 10.1097/QAD.0000000000003082
13. **Moabelo KL**, Martin DR, Fadaka AO, Sibuyi NRS, Meyer M, Madiehe AM. Nanotechnology-based strategies for effective and rapid detection of SARS-CoV-2. *Materials*. 2021 Dec 18;14(24):7851.
DOI: 10.3390/ma14247851
14. Mortlock M, Geldenhuys M, Dietrich M, Epstein JH, Weyer J, **Pawęska JT**, Markotter W. Seasonal shedding patterns of diverse henipavirus-related paramyxoviruses in Egyptian rousette bats. *Scientific Reports*. 2021 Dec 20;11(1):24262.
DOI: 10.1038/s41598-021-03641-w
15. Motiwala T, Akumadu BO, Zuma S, Mfeka MS, Chen W, Achilonu I, Syed K, **Khoza T**. Caseinolytic Proteins (Clp) in the Genus Klebsiella: Special focus on ClpK. *Molecules*. 2021 Dec 29.
DOI: 10.3390/molecules27010200
16. Murji AA, Raju N, Qin JS, Kaldine H, Janowska K, Fechter EF, Mapengo R, Scheepers C, Setliff I, Acharya P, **Morris L**, Georgiev IS. Sequence and functional characterization of a public HIV-specific antibody clonotype. *iScience*. 2021 Dec 3.
DOI: 10.1016/j.isci.2021.103564
17. Myburgh CE, **Malan L**, von Känel R, Steyn HS, Malan NT. Associations of conscientiousness with cardiac troponin T and stress coping responses in a teacher cohort: the SABPA prospective cohort study. *Cardiovascular Journal of Africa*. 2021 Dec 9;32:1-10.
DOI: 10.5830/CVJA-2021-058
18. **Naicker S**, Dix-Peeke D, Klar R, Kalunga G, Mosiane P, Dickens C, Duarte R. Profiling biomarkers in HIV glomerular disease – Potential for the non-invasive diagnosis of HIVAN? *International Journal of Nephrology and Renovascular Disease*. 2021 Dec 8;14:427-40.
DOI: 10.2147/IJNRD.S331484
19. Narsi K, **Tomita A**, Ramlall S. Neuropsychological functioning and cognitive reserve in newly HIV diagnosed antiretroviral-naïve South African adults from peri-urban and informal settlements. *PloS ONE*. 2021 Dec 7;16(12):e0260260.
DOI: 10.1371/journal.pone.0260260
20. Nomatshila SC, **Apalata TR**, **Mabunda SA**. Perceptions of school management on the relationship between school nutrition and development of non-communicable diseases in a rural South African district: A qualitative study. *International Journal of Environmental Research and Public Health*. 2021 Dec 31.
DOI: 10.3390/ijerph19010432

21. Shupler M, Hystad P, Birch A, Chu YL, Jeronimo M, Miller-Lionberg D, Gustafson P, Rangarajan S, Mustaha M, Heenan L, Seron P, Lanas F, Cazor F, Jose Oliveros M, Lopez-Jaramillo P, Camacho PA, Otero J, Perez M, Yeates K, West N, Ncube T, Ncube B, Chifamba J, Yusuf R, Khan A, Liu Z, Wu S, Wei L, Tse LA, Mohan D, Kumar P, Gupta R, Mohan I, Jayachitra KG, Mony PK, Rammohan K, Nair S, Lakshmi PVM, Sagar V, Khawaja R, Iqbal R, Kazmi K, Yusuf S, Brauer M, on behalf of the PURE-AIR study investigators [**Schutte AE, Pieters M**]. Multinational prediction of household and personal exposure to fine particulate matter (PM_{2.5}) in the PURE cohort study. *Environment International*. 2021 Dec 13. DOI: 10.1016/j.envint.2021.107021
22. Singer SN, Ndumnego OC, Kim RS, **Ndung'u T**, Anastos K, French A, Churchyard G, Paramithiothis E, Kasprowicz VO, Achkar JM. Plasma host protein biomarkers correlating with increasing Mycobacterium tuberculosis infection activity prior to tuberculosis diagnosis in people living with HIV. *eBioMedicine*. 2021 Dec 27. DOI: 10.1016/j.ebiom.2021.103787
23. **Sobia P**, Pillay T, Liebenberg LJP, Sivro A, Mansoor LE, Osman F, Passmore JS, Abdool Karim Q, Abdool Karim SS, Baxter C, McKinnon LR, **Archary D**. Higher mucosal antibody concentrations in women with genital tract inflammation. *Scientific Reports*. 2021 Dec 6;11(1):23514. DOI: 10.1038/s41598-021-02954-0

4. RESEARCH UNITS WITH NO QUALIFYING PUBLICATIONS

Intramural

- Genomics Centre
- Health Systems
- HIV Prevention
- Office of AIDS Research
- Office of Malaria Research
- Office of Tuberculosis Research
- Primate

Extramural

- Centre for Antimicrobial Resistance
- Centre for Health Economic and Decision Science
- Common Epithelial Cancer
- Drug Discovery and Development
- Genomics of Brain Disorders
- Gynaecological Cancer
- HIV/TB Pathogenesis and Treatment
- Hypertension and Cardiovascular Disease
- Maternal and Infant Health Care Strategies
- Microbial Water Quality Monitoring
- Molecular Mycobacteriology
- Precision and Genomic Medicine
- Precision Prevention and Novel Drug Targets For HIV-Associated Cancers
- South African Population Research Infrastructure Network
- Stem Cell Research and Therapy
- Vaccine and Infectious Diseases Analytics
- 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
- 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

5. GRANTS AWARDED

SAMRC LIST OF NEW CONTRACTS FOR DECEMBER 2021					
SAMRC Unit	Funder	Main Funder	Project Title/Description	Contract Value	
				Rand	Foreign Currency
ATODRU	Harvard Medical School	National Institute of Health	Investigating bacterial contributions to TB treatment response: a focus on in-host pathogen dynamics	R 2,165,507	\$136,282
Cochrane	University of Cape Town	University of Cape Town	Service Level Agreement	R 1,061,777	-
GIPD	Novartis / GSK	Novartis / GSK	GSK GRADIENT	R 60,579,960	£ 2,800,000
HPRU	Family Health International	National Institute of Health	HIV Prevention Trials Network	R 23,832,147	\$1,490,245

COMPILED BY KNOWLEDGE AND INFORMATION MANAGEMENT SERVICES

