



CELEBRATES SCIENCE



December 2023

1. INTRAMURAL RESEARCH UNITS

Biomedical Research and Innovation Platform

1. Gizamba JM, Davies J, Africa C, Choo-Kang C, **Goedecke JH**, Madlala H, Lambert EV, Rae DE, Myer L, Luke A, Dugas LR. Prevalence of obesity, hypertension and diabetes among people living with HIV in South Africa: A systematic review and meta-analysis. *BMC Infectious Diseases*. 2023 Dec 7;23(1):861.
DOI: 10.1186/s12879-023-08736-5
2. **Mthembu SXH**, Mazibuko-Mbeje SE, Ziqubu K, Muvhulawa N, Marcheggiani F, Cirilli I, Nkambule BB, **Muller CJF**, Basson AK, Tiano L, **Dludla PV**. Potential regulatory role of PGC-1 α within the skeletal muscle during metabolic adaptations in response to high-fat diet feeding in animal models. *Pflugers Arch*. 2023 Dec 4.
DOI: 10.1007/s00424-023-02890-0
3. **van Onselen R**, Downing TG. Uptake of β -N-methylamino-L-alanine (BMAA) into glutamate-specific synaptic vesicles: Exploring the validity of the excitotoxicity mechanism of BMAA. *Neuroscience Letters*. 2023 Dec 14.
DOI: 10.1016/j.neulet.2023.137593

Biostatistics

1. Avenant C, Bick AJ, Skosana SB, Dlamini S, **Balakrishna Y**, Moliki JM, Singata-Madliki M, Hofmeyr GJ, Smit J, Beksinska M, Beesham I, Seocharan I, Batting J, Chen PL, Storbeck KH, Africander D, Hapgood JP. Misreporting contraceptive use and the association of peak study progestin levels with weight and BMI among women randomized to the progestin-only injectable contraceptives DMPA-IM and NET-EN. *PLoS One*. 2023 Dec 22;18(12):e0295959.
DOI: 10.1371/journal.pone.0295959
2. Oyo-Ita A, Oduwole O, Arikpo D, Effa EE, Esu EB, **Balakrishna Y**, Chibuzor MT, Oringanje CM, Nwachukwu CE, Wiysonge CS, Meremikwu MM. Interventions for improving coverage of childhood immunisation in low- and middle-income countries. *Cochrane Database of Systematic Reviews*. 2023 Dec 6;12(12):CD008145.
DOI: 10.1002/14651858.CD008145.pub4

Burden of Disease

1. **Groenewald P**, Thomas J, Clark SJ, Morof D, **Joubert JD**, Kabudula C, Li Z, **Bradshaw D**. Agreement between cause of death assignment by computer-coded verbal autopsy methods and physician coding of verbal autopsy interviews in South Africa. *Global Health Action*. 2023 Dec 31;16(1):2285105.
DOI: 10.1080/16549716.2023.2285105
2. **Prinsloo M**, Petersen Williams P, **Neethling I**, Mhlongo SX, Maqungo S, Peden MM, Parry C, **Matzopoulos R**. Alcohol diagnostic validation for injury-related trauma: Findings from a pilot study. *Digital Health*. 2023 Dec 3;9:20552076231218138.
DOI: 10.1177/20552076231218138

Centre for Tuberculosis

1. **Derendinger B**, **Dippenaar A**, **de Vos M**, Huo S, **Alberts R**, **Tadokera R**, Limberis J, **Sirgel F**, Dolby T, **Spies C**, Reuter A, Folkerts M, Allender C, Lemmer D, Van Rie A, Gagneux S, Rigouts L, te Riele J, Dheda K, Engelthaler DM, **Warren R**, Metcalfe J, Cox H, **Theron G**. Bedaquiline resistance in patients with drug-resistant tuberculosis in Cape Town, South Africa: A retrospective longitudinal cohort study. *The Lancet Microbe*. 2023 Dec;4(12):e972-e982.
DOI: 10.1016/S2666-5247(23)00172-6

2. McLoughlin GC, Cacciatore S, **Okunola AO**, Ghori N-U-H, Zar HJ, Geddes DT, Nicol MP. Are low lactose concentrations a risk factor for *Staphylococcus aureus*-associated mastitis? Proceedings. 2023 Dec 19;93(1):6.
DOI: 10.3390/proceedings2023093006
3. **Omar S**, Whitfield MG, **Nolan MB**, **Ngom JT**, **Ismail N**, **Warren RM**, **Klopper M**. Bedaquiline for treatment of Non-Tuberculous Mycobacteria (NTM): A systematic review and meta-analysis. The Journal of Antimicrobial Chemotherapy. 2023 Dec 22.
DOI: 10.1093/jac/dkad372
4. **Opperman CJ**, **Singh S**, **Goosen W**, Cox H, **Warren R**, Esmail A. Incorporating direct molecular diagnostics in management algorithms for non-tuberculous mycobacteria: Is it high time? IJID Regions. 2023 Dec 13.
DOI: 10.1016/j.ijregi.2023.12.003
5. **Shaw JA**, Louw EH, Koegelenberg CFN. A practical approach to the diagnosis and management of malignant pleural effusions in resource-constrained settings. Breathe (Sheff). 2023 Dec 19; 19(4):230140.
DOI: 10.1183/20734735.0140-2023
6. Soh PXY, Mmekwa N, **Petersen DC**, Gheybi K, van Zyl S, Jiang J, Patrick SM, Campbell R, Jaratlerdseri W, Mutambirwa SBA, Bornman MSR, Hayes VM. Prostate cancer genetic risk and associated aggressive disease in men of African ancestry. Nature Communications. 2023 Dec 5; 14(1):8037.
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Environment and Health

1. **Kapwata T**, Abdelatif N, Scovronick N, Gebreslasie MT, Acquaotta F, **Wright CY**. Identifying heat thresholds for South Africa towards the development of a heat-health warning system. International Journal of Biometeorology. 2023 Dec 29.
DOI: 10.1007/s00484-023-02596-z
2. Tod B, Whitaker D, Visser W, Isaacs T, Jacobs T, Wiid K, Dlova NC, **Wright CY**. Integrated sun protection advice for the South African population. International Journal of Dermatology. 2023 Dec 20.
DOI: 10.1111/ijd.16980

Genomics Centre

1. Louw N, **Carstens N**, Lombard Z; for DDD-Africa as members of the H3Africa Consortium. Incorporating CNV analysis improves the yield of exome sequencing for rare monogenic disorders—an important consideration for resource-constrained settings. Frontiers in Genetics. 2023 Dec 14; 14:1277784.
DOI: 10.3389/fgene.2023.1277784
2. Tambe LAM, Mathobo P, Matume ND, Munzhedzi M, Edokpayi JN, **Viraragavan A**, **Glanzmann B**, Tebit DM, Mavhandu-Ramarumo LG, Street R, Johnson R, **Kinnear C**, Bessong PO. Molecular epidemiology of SARS-CoV-2 in Northern South Africa: Wastewater surveillance from January 2021 to May 2022. Frontiers in Public Health. 2023 Dec 19;11:1309869.
DOI: 10.3389/fpubh.2023.1309869

Health Systems

1. Blaxall M, Richardson R, Schoonees A, Metzendorf MI, **Durão S**, Naude C, Bero L, Farquhar C. Obesity intervention evidence synthesis: Where are the gaps and which should we address first? Obesity Reviews. 2023 Dec 27.
DOI: 10.1111/obr.13685

- Piggott T, Moja L, Jenei K, **Kredo T**, Skoetz N, Banzi R, Trapani D, **Leong T**, McCaul M, Lavis JN, Akl EA, Nonino F, Iorio A, Laurson-Doube J, Huttner B, Schünemann HJ. GRADE concept 7: Issues and insights linking guideline recommendations to trustworthy essential medicine lists. *Journal of Clinical Epidemiology*. 2023 Dec 19.
DOI: 10.1016/j.jclinepi.2023.111241
- Ringsten M, **Kredo T**, **Ebrahim S**, **Hohlfeld A**, Bruschetti M. Diclofenac for acute postoperative pain in children. *The Cochrane Database of Systematic Reviews*. 2023 Dec 11;12:CD015087.
DOI: 10.1002/14651858.CD015087.pub2

HIV and Other Infectious Diseases

- Odendaal W**, **Chetty T**, Tomlinson M, **Goga A**, **Singh Y**, Kauchali S, Marshall C, Hunt X. "If you work alone on this project, you can't reach your target": Unpacking the leader's role in well-performing teams in a maternal and neonatal quality improvement programme in South Africa, before and during COVID-19. *BMC Health Services Research*. 2023 Dec 8;23(1):1382.
DOI: 10.1186/s12913-023-10378-x
- Reeves DB, Mayer BT, deCamp AC, Huang Y, Zhang B, Carpp LN, Magaret CA, Juraska M, Gilbert PB, Montefiori DC, Bar KJ, Cardozo-Ojeda EF, Schiffer JT, Rossen Khan R, Edlefsen P, Morris L, Mkhize NN, Williamson C, Mullins JI, Seaton KE, Tomaras GD, Andrew P, Mgodini N, Ledgerwood JE, Cohen MS, Corey L, **Naidoo L**, Orrell C, Goepfert PA, Casapia M, Sobieszczek ME, Karuna ST, Edupuganti S. High monoclonal neutralization titers reduced breakthrough HIV-1 viral loads in the antibody mediated prevention trials. *Nature Communications*. 2023 Dec 14;14(1):8299.
DOI: 10.1038/s41467-023-43384-y

Mental Health, Alcohol, Substance Use and Tobacco

- König L, **Williams PP**, Shuper PA, Probst C. The relationship between alcohol consumption and risk of HIV in married men: A multi-country study on sub-Saharan Africa. *AIDS*. 2023 Dec 13.
DOI: 10.1097/QAD.0000000000003815
- May PA, Hasken JM, de Vries MM, Marais AS, Abdul-Rahman O, Robinson LK, Adam MP, Manning MA, Kalberg WO, Buckley D, Snell CL, Seedat S, **Parry CDH**, Hoyme HE. Maternal risk factors for fetal alcohol spectrum disorders: Distal variables. *Alcohol, Clinical & Experimental Research (Hoboken)*. 2023 Dec 17.
DOI: 10.1111/acer.15246

Non-Communicable Disease

- Kengne AP**, Brière JB, Le Nouveau P, Kodjamanova P, Atanasov P, Kochoedo M, Irfan O, Khan ZM. Impact of single-pill combinations versus free-equivalent combinations on adherence and persistence in patients with hypertension and dyslipidemia: A systematic literature review and meta-analysis. *Expert Review of Pharmacoeconomics & Outcomes Research*. 2023 Dec 13.
DOI: 10.1080/14737167.2023.2293199
- Moiane T, **Modjadji P**, Cele L, Chelule P, Mphekgwana MP, Monyeki KD, Madiba S. Determinants of poor nutritional status among school children in Mpumalanga province, South Africa: A school-based study. *African Journal for Physical Activity and Health Sciences*. 2023 Dec 8;29(Suppl 1): 33-55.
DOI: 10.37597/ajphes.2023.sup1.1.3
- Sewpaul R, Awe OO, Dogbey DM, **Sekgala MD**, Dukhi N. Classification of obesity among South African female adolescents: Comparative analysis of logistic regression and random forest algorithms. *International Journal of Environmental Research and Public Health*. 2023 Dec 19;21(1):2.
DOI: 10.3390/ijerph21010002

Office of the President/Vice-President

1. Delgado V, Ajmone Marsan N, Bonow RO, Hahn RT, Norris RA, **Zühlke L**, Borger MA. Degenerative mitral regurgitation. *Nature Reviews Disease Primers*. 2023 Dec 7;9(1):70. DOI: 10.1038/s41572-023-00478-7
2. Nascimento BR, Nunes MCP, da Silva JLP, Steer A, Engelman D, Okello E, Rwebembera J, **Zühlke L**, Mirabel M, Nakitto M, Sarnacki R, Ribeiro ALP, Sable CA, Beaton AZ; (Gwoko Adunu pa Lutino) trial investigators. Outcomes of latent rheumatic heart disease: External validation of a simplified score in patients with and without secondary prophylaxis. *International Journal of Cardiology*. 2023 Dec 22. DOI: 10.1016/j.ijcard.2023.131662

South African Cochrane Centre

1. Antimicrobial Resistance Collaborators [Include: **Iwu-Jaja CJ**]. The burden of bacterial antimicrobial resistance in the WHO African region in 2019: A cross-country systematic analysis. *Lancet Global Health*. 2023 Dec 19. DOI: 10.1016/S2214-109X(23)00539-9
2. **Ebrahim S, Blose N, Gloeck N, Hohlfeld A**, Balakrishna Y, Muloiwa R, Gray A, Parrish A, Cohen K, Lancaster R, Kredt T. Effectiveness of the BNT162b2 vaccine in preventing morbidity and mortality associated with COVID-19 in children aged 5 to 11 years: A systematic review and meta-analysis. *PLOS Global Public Health*. 2023 Dec 4;3(12):e0002676. DOI: 10.1371/journal.pgph.0002676
3. **Ndlovu M, Dlodla PV, Muvhulawa N, Ntamo Y, Mayeye A, Lumphondo N**, Hlengwa N, Basson AK, Mabhida SE, Hanser S, Mazibuko-Mbeje SE, Nkambule BB, **Ndwandwe D**. Global trends in risk factors and therapeutic interventions for people with diabetes and cardiovascular disease: Results from the WHO International Clinical Trials Registry Platform. *Diabetology*. 2023 Dec 8;4(4):560-573. DOI: 10.3390/diabetology4040050

2. EXTRAMURAL RESEARCH UNITS

Antibody Immunity

1. Butters C, Benede N, **Moyo-Gwete T**, **Richardson SI**, Rohlwink U, Shey M, **Ayres F**, **Manamela NP**, **Makhado Z**, **Balla SR**, **Madzivhandila M**, Ngomti A, Baguma R, Facey-Thomas H, Spracklen TF, Day J, van der Ross Debbie H, Riou C, Burgers WA, Scott C, Zuhlke L, **Moore PL**, Keeton RS, Webb K. Comparing the immune abnormalities in MIS-C to healthy children and those with inflammatory disease reveals distinct inflammatory cytokine production and a monofunctional T cell response. *Clinical Immunology*. 2023 Dec 22. DOI: 10.1016/j.clim.2023.109877
2. Van de Perre P, **Moore PL**. Super early treatment for HIV acquired in utero. *Lancet HIV*. 2023 Dec 4. DOI: 10.1016/S2352-3018(23)00260-6

Antiviral Gene Therapy

1. **Jacobs R**, Dogbey MD, **Mnyandu N**, **Neves K**, Barth S, **Arbuthnot P**, **Maepa MB**. AAV immunotoxicity: Implications in anti-HBV gene therapy. *Microorganisms*. 2023 Dec 14; 11(12):2985. DOI: 10.3390/microorganisms11122985

Centre for Antimicrobial Resistance

1. du Cros P, Greig J, Alffenaar JC, Cross GB, Cousins C, Berry C, Khan U, Phillips PPJ, Velásquez GE, Furin J, Spigelman M, Denholm JT, Thi SS, Tiberi S, Huang GKL, Marks GB, Turkova A, Guglielmetti L, Chew KL, Nguyen HT, Ong CWM, Brigden G, Singh KP, Motta I, Lange C, Seddon JA, Nyang'wa BT, Maug AKJ, Gler MT, Dooley KE, Quelapio M, Tsogt B, Menzies D, Cox V, Upton CM, Skrahina A, McKenna L, Horsburgh CR, **Dheda K**, Marais BJ. Standards for clinical trials for treating TB. *The International Journal of Tuberculosis and Lung Disease*. 2023 Dec 1;27(12):885-898. DOI: 10.5588/ijtld.23.0341

Centre for Health Economic and Decision Science

1. **Mazonde N**, **Goldstein S**. Online health communities' portrayal of obesity on social media platforms in South Africa. *Journal of Health Communication*. 2023 Dec 25. DOI: 10.1080/10810730.2023.2231374
2. Verguet S, Gautam P, Ali I, Husain A, Meyer S, Burbano C, Lloyd-Evans E, Coco M, Mphangwe M, Saka A, Zelalem M, Giyose BB, Li Z, **Erzse A**, **Hofman K**, Giner C, Avallone S, Kuusipalo H, Kristjansson E, Schultz L, Bundy DAP, Angrist N. Investing in school systems: Conceptualising returns on investment across the health, education and social protection sectors. *BMJ Global Health*. 2023 Dec 18;8(12):e012545. DOI: 10.1136/bmjgh-2023-012545

Child and Adolescent Lung Health

1. Benede N, Tincho MB, Walters A, Subbiah V, Ngomti A, Baguma R, Butters C, Hahnle L, Mennen M, Skelem S, Adriaanse M, Facey-Thomas H, Scott C, Day J, **Spracklen TF**, van Graan S, Balla SR, Moyo-Gwete T, Moore PL, **MacGinty R**, **Botha M**, **Workman L**, Johnson M, Goldblatt D, **Zar HJ**, Ntusi NAB, **Zühlke L**, Webb K, Riou C, Burgers WA, Keeton RS. Distinct T cell polyfunctional profile in SARS-CoV-2 seronegative children associated with endemic human coronavirus cross-reactivity. 2023 Dec 14. DOI: 10.1016/j.isci.2023.108728
2. Boers E, Barrett M, Su JG, Benjafield AV, Sinha S, Kaye L, **Zar HJ**, Vuong V, Tellez D, Gondalia R, Rice MB, Nunez CM, Wedzicha JA, Malhotra A. Global burden of chronic obstructive pulmonary disease through 2050. *JAMA Network Open*. 2023 Dec 1;6(12):e2346598. DOI: 10.1001/jamanetworkopen.2023.46598

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Developmental Pathways for Health

- Aagaard-Hansen J**, Bloch P. Settings, populations, and time: A conceptual framework for public health interventions. *Frontiers in Public Health*. 2023 Dec 15;11:1297019.
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- Caiazzo E, Sharma M, Rezig AOM, Morsy MI, Czesnikiewicz-Guzik M, Ialenti A, Sulicka-Grodzicka J, Pellicori P, **Crouch SH**, Schutte AE, Bruzzese D, Maffia P, Guzik TJ. Circulating cytokines and risk of developing hypertension: A systematic review and meta-analysis. *Pharmacological Research*. 2023 Dec 28.
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- Carson V, **Draper CE**, Okely A, Reilly JJ, Tremblay MS. Future directions for movement behavior research in the early years. *Journal of Physical Activity & Health*. 2023 Dec 18.
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- Crouch SH**, **Ware LJ**, **Norris SA**, **Schutte AE**. Comparing a range of potassium-enriched low sodium salt substitutes to common salt: Results of taste and visual tests in South African adults. *Nutrition, Metabolism and Cardiovascular Diseases*. 2023 Dec 20.
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- Gils T, Kamele M, Madonsela T, Bosman S, Ngubane T, Joseph P, Reither K, Bresser M, Vlieghe E, Decroo T, Ayakaka I, Lynen L, **Van Heerden A**. Implementation of the advanced HIV disease care package with point-of-care CD4 testing during tuberculosis case finding: A mixed-methods evaluation. *PLoS One*. 2023 Dec 22;18(12):e0296197.
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- Singh S, Choudhury A, Hazelhurst S, Crowther NJ, Boua PR, Sorgho H, Agongo G, Nonterah EA, **Micklesfield LK**, **Norris SA**, Kisiangani I, Mohamed S, Gómez-Olivé FX, Tollman SM, Choma S, Brandenburg JT, Ramsay M. Genome-wide association study meta-analysis of blood pressure traits and hypertension in sub-Saharan African populations: An AWI-Gen study. *Nature Communications*. 2023 Dec 16;14(1):8376.
DOI: 10.1038/s41467-023-44079-0

9. **Watson D**, Barker M, Boua PR, Chatio S, Compaoré A, Danis M, Dalaba M, Erzse A, Hardy-Johnson P, Kehoe SH, Hofman KJ, Lawrence WT, Nonterah EA, Sorgho H, Rwafa-Ponela T, Ward KA; INPreP study group. What works in engaging communities? Prioritising nutrition interventions in Burkina Faso, Ghana and South Africa. *PLoS One*. 2023 Dec 13;18(12):e0294410. DOI: 10.1371/journal.pone.0294410

Genomics of Brain Disorders

1. Ford JD, **Seedat S**. On the path to recovery: Traumatic stress research during the COVID-19 pandemic 2021-2023. *European Journal of Psychotraumatology*. 2023 Dec 1;14(2):2281988. DOI: 10.1080/20008066.2023.2281988
2. **Seedat S**, Halligan SL. Beyond bruises: The lifelong toll of violence on women's health. *Nature Medicine*. 2023 Dec 11;29(12):3008-3009. DOI: 10.1038/s41591-023-02654-4

Health Services to Systems

1. Bohren MA, Iyer A, Barros AJD, Williams CR, Hazfiarini A, Arroyave L, Filippi V, Chamberlain C, Kabakian-Khasholian T, Mayra K, Gill R, Vogel JP, Chou D, **George AS**, Oladapo OT. Towards a better tomorrow: Addressing intersectional gender power relations to eradicate inequities in maternal health. *eClinicalMedicine*. 2023 Dec 6. DOI: 10.1016/j.eclinm.2023.102180

Herbal Drugs

1. **Mapeka T**, **Sandasi M**, Ncube E, **Viljoen A**, van Vuuren S. Enhancing the antimicrobial efficacy of common herbs and spices through an optimized polyherbal approach. *South African Journal of Botany*. 2023 Dec 1. DOI: 10.1016/j.sajb.2023.11.030

HIV/TB Pathogenesis and Treatment

1. Asare K, Sookrajh Y, van der Molen J, Khubone T, Lewis L, Lessells RJ, **Naidoo K**, Sosibo P, van Heerden R, Garrett N, Dorward J. Clinical outcomes with second-line dolutegravir in people with virological failure on first-line non-nucleoside reverse transcriptase inhibitor-based regimens in South Africa: A retrospective cohort study. *The Lancet Global Health*. 2023 Dec 21. DOI: 10.1016/S2214-109X(23)00516-8
2. **Hassan-Moosa R**, Motsomi KW, Narasimmulu R, Sivro A, Naidu KK, Kharsany ABM, Samsunder N, **Perumal R**, **Naidoo K**. Drug-resistant TB, HIV and COVID-19 co-infection: Case reviews from Kwa-Zulu Natal, South Africa. *Infection and Drug Resistance*. 2023 Dec 15;16:7663-7676. DOI: 10.2147/idr.S433695
3. **Naidoo K**, **Perumal R**, **Ngema SL**, **Shunmugam L**, **Somboro AM**. Rapid diagnosis of drug-resistant tuberculosis—opportunities and challenges. *Pathogens*. 2023 Dec 27;13(1):27. DOI: 10.3390/pathogens13010027
4. Ross J, **Perumal R**, Wolf A, **Zulu M**, Guzman K, **Seepamore B**, Reis K, **Nyilana H**, **Hlathi S**, **Narasimmulu R**, Cheung YKK, Amico KR, Friedland G, **Daftary A**, Zelnick JR, **Naidoo K**, **O'Donnell MR**. Adaptive evaluation of mHealth and conventional adherence support interventions to optimize outcomes with new treatment regimens for drug-resistant tuberculosis and HIV in South Africa (ADAP-TIV): Study protocol for an adaptive randomized controlled trial. *Trials*. 2023 Dec 1; 24(1):776. DOI: 10.1186/s13063-023-07520-9

Hypertension and Cardiovascular Disease

1. **Strauss-Kruger M, Pieters M, van Zyl T, Gafane-Matemane LF, Mkwatsi GG, Jacobs A, Schutte AE, Louw R, Mels CM.** Metabolomic insights on potassium excretion, blood pressure and glucose homeostasis: The African-PREDICT study. *The Journal of Nutrition*. 2023 Dec 16. DOI: 10.1016/j.tjnut.2023.12.025

Platform for Pharmacogenomics Research & Translation Research

1. Thami PK, Choga WT, **Dandara C**, O'Brien SJ, Essex M, Gaseitsiwe S, Chimusa ER. Whole genome sequencing reveals population diversity and variation in HIV-1 specific host genes. *Frontiers in Genetics*. 2023 Dec 20;14:1290624. DOI: 10.3389/fgene.2023.1290624

Risk and Resilience in Mental Disorders

1. Kwobah E, **Koen N**, Mwangi A, Atwoli L, **Stein DJ**. Prevalence of lifestyle cardiovascular risk factors and estimated framingham 10-year risk scores of adults with psychotic disorders compared to controls at a referral hospital in Eldoret, Kenya. *BMC Psychiatry*. 2023 Dec 5;23(1):909. DOI: 10.1186/s12888-023-05409-0
2. van Rensburg D, Lindeque Z, **Harvey BH**, Steyn SF. Ndufs4 KO mice: A model to study comorbid mood disorders associated with mitochondrial dysfunction. *Pharmacology, Biochemistry, and Behavior*. 2023 Dec 7. DOI: 10.1016/j.pbb.2023.173689

Rural Public Health and Health Transition

1. Beidelman ET, Rosenberg M, **Wade AN**, Crowther NJ, Kalbaugh CA. Prevalence of and risk factors for peripheral artery disease in rural South Africa: A Cross-sectional analysis of the HAALSI Cohort. *Journal of the American Heart Association*. 2023 Dec 29. DOI: 10.1161/JAHA.123.031780
2. Del Brutto VJ, Khasiyev F, Liu M, Spagnolo-Allende A, Qiao Y, Melgarejo Arias JD, Guzman VA, Igwe KC, Sanchez DL, Andrews H, Morales CD, Farrell MT, Bassil DT, Seshadri S, **Wagner RG**, Mngomezulu V, Manly J, Elkind MS, Berkman L, Romero JR, Maestre GE, Del Brutto OH, Brickman AM, Venketasubramanian N, Chen C, Robert C, Hilal S, Rundek T, Wasserman BA, Gutierrez J. Association of brain arterial diameters with demographic and anatomical factors in a multi-national pooled analysis of cohort studies. *The Neuroradiology Journal*. 2023 Dec 26. DOI: 10.1177/19714009231224429
3. Harriman NW, **Ohene-Kwofie D**, Jung SJ, Hermosilla S, **Gómez-Olivé FX**, Jennings EA. In-person social interactions and anxiety during the COVID-19 Pandemic: Exploring the role of household size and virtual social contact among midlife and older black South African adults. *Journal of Gerontology Series B, Psychological Sciences and Social Sciences*. 2023 Dec 20. DOI: 10.1093/geronb/gbad175
4. Olorunmoteni OE, **Gómez-Olivé FX**, Fatusi AO, Scheuermaier K. Multidimensions of sleep health among in-school adolescents in rural and urban areas in southwestern Nigeria. *Sleep Health*. 2023 Dec 12. DOI: 10.1016/j.sleh.2023.11.006
5. Teufel F, Bulstra CA, **Davies JI**, Ali MK. Enhancing global access to diabetes medicines: Policy lessons from the HIV response. *The Lancet Diabetes & Endocrinology*. 2023 Dec 18. DOI: 10.1016/S2213-8587(23)00359-5

6. Thurstans S, Opondo C, Bailey J, Stobaugh H, Loddo F, Wrottesley SV, Seal A, Myatt M, Briend A, **Garenne M**, Mertens A, Wells J, Sear R, Kerac M. How age and sex affect treatment outcomes for children with severe malnutrition: A multi-country secondary data analysis. *Maternal & Child Nutrition*. 2023 Dec 4.
DOI: 10.1111/mcn.13596
7. Yu X, Cho TC, Westrick AC, Chen C, Langa KM, **Kobayashi LC**. Association of cumulative loneliness with all-cause mortality among middle-aged and older adults in the United States, 1996 to 2019. *Proceedings of the National Academy of Sciences of the United States of America*. 2023 Dec 19;120(51):e2306819120.
DOI: 10.1073/pnas.2306819120

Stem Cell Research and Therapy

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Vaccine and Infectious Diseases Analytics

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4. RESEARCH UNITS WITH NO PUBLICATIONS

Intramural

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

Extramural

- Antimicrobial Resistance and Global Health Research
- Bioinformatics Capacity Development
- Cardiometabolic Health
- Common Epithelial Cancer
- Drug Discovery and Development
- Gynaecological Cancer
- Intersection of Non-communicable Disease and Infectious Disease Research
- Masculinity and Health Research
- Maternal and Infant Health Care Strategies
- Microbial Water Quality Monitoring
- Pan African Centre for Epidemics Research
- Precision and Genomic Medicine
- Precision Oncology
- South African Population Research Infrastructure Network

Research Centre

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

5. GRANTS AWARDED

SAMRC LIST OF NEW CONTRACTS FOR DECEMBER 2023					
SAMRC Unit	Funder	Main Funder	Project Title/Description	Contract Value	
				Rand	Foreign Currency
GIPD	UKRI	ISPF	UKRS/SAMRC Co Fund research & innovation programmes in RSA withing health areas of Non-Communicable & Infectious Diseases	R196 876 044.00	£8 460 000.00
SAPRIN	Harvard School of Public Health	National Institute of Health	HAALSI Project Sub Agreement nr 116370-5124201	R120 937.00	\$6 615.00

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