

Research Day 21 November 2023

HIP RESEARCH DAY 2023: NOVEMBER 21

7:15	Registration
8:00	Welcome Address
8:30	Keynote Speaker: Prof. Quarraisha Abdool Karim
	Preventing HIV infection in young women – a 30 year journey.
	New Learning Centre

		Oral Session 1: 9:00-10:00	
	New Learning Centre		
		Session Chairs: Dr. Sharief Hendricks & Dr. Ghodeejah Higgins	
9:00	S1.1	Elevated KSHV VL is associated with systemic HIV-related illness in Kaposi's sarcoma patients in South Africa. R Tibenderana, M Blumenthal , E Bukajumbe, G Schafer, Z Mohammed.	
9:10	S1.2	Systematic KSHV genome analysis from a South African HIV/KSHV-positive patient cohort. M Thomas, V Marshall, C Goodman, et al.	
9:20	S1.3	An assessment of the status of the regulatory B cell population (CD45+CD19+CD24++ CD38++) and programmed death-ligand 1 positivity (CD45+CD19+CD274++) in the PBMC of HIV-positive and HIV-negative newly diagnosed DLBCL patients at a South African Health care facility. Z Latib, S Mowla	
9:30	S1.4	Pharmacogenomics of Tamoxifen: The role of genetic variation in phase II pharmacogenes on Tamoxifen response among breast cancer patients in South Africa. B Kruger , AP Kengne, D Shamley, C Dandara.	
9:40	S1.5	HIV infection, secretor status and antiretroviral initiation timing influence HMO concentrations. E Mbirbah, N Mulder, A van der Kouwe, et al.	
9:50		Question & Answer Oral Session 1	

Poster Session 1 (Odd Numbers) & Break: 10:00-11:00 Barnard Fuller Building & Frances Ames

	Oral Session 2: 11:00-12:30		
	New Learning Centre		
		Session Chairs: Prof. Goran Štrkalj & Dr. Adeyemi Adetimehin	
11:00	S2.1	Effects of acupuncture treatment on resting-state functional connectivity in stroke patients	
		with unilateral limb dysfunction.	
		S Fouché, H Lu, F Warton, et al.	
11:10	S2.2	Deciphering the dynamic gene regulation driving differential gene expression in the	
		maturing human brain.	
		J van Greenen, R Dangarembizi, D Hockman.	
11:20	S2.3	Forensic DNA profiling on human teeth exposed to marine environments.	
		L Malan, L Heathfield, VE Gibbon, C Finaughty.	
11:30	S2.4	Role of genetic variations of SLCO1B1 and ABCG2 on the occurrence of statin	
		associated muscle symptoms in a cohort of South African dyslipidemia patients.	
		Z Lusiki, D Blom, S Malema, et al.	
11:40	S2.5	Patient-specific computational study of myocardial mechanics for improved diagnosis of	
		peripartum cardiomyopathy.	
		J Nagawa, KL Sack, M Sirry, et al.	

11:50	S2.6	To investigate whether VEGF and KDR polymorphisms are associated with chronic midportion Achilles tendinopathy and self-reported measurements of tendon pain.
		CD Brazier, A September, M-J Laguette, M Collins.
12:00	S2.7	Eyes never lie: Utilising quantitative measures of eye colour to estimate the age of
		Chrysomya chloropyga pupae.
		W Uys, CG Mole, M Heyns.
12:10	S2.8	Distinct alterations in white matter properties and organization related to maternal
		treatment initiation in neonates exposed to HIV but uninfected.
		N Magondo, E Meintjes, M Holmes, et al.
12:20		Question & Answer Oral Session 2

Lunch Break & Poster Session 2 (Even Numbers): 12:30-14:00 Barnard Fuller Building & Frances Ames

		Oral Session 3: 14:00-15:30	
	New Learning Centre		
		Session Chairs: Dr. Rachael Dangarembizi & Dr. Lucy Macharia	
14:00	S3.1	Therapeutic Evaluation of CD64-based Immunotherapeutics towards CD64+ cells and ex-	
		vivo differentiated macrophages.	
		EA Fajemisin, AO Akinrinmade, S Barth.	
14:10	S3.2	Aqueous extracts of Dodonaea viscosa induce potent and selective cytotoxicity in	
		DLBCL cells.	
		B Yekelo, S Mowla.	
14:20	S3.3	Evaluation of apoptotic impact of atorvastatin on peripheral blood mononuclear cells	
		infected with Mycobacterium tuberculosis.	
		S Sabeel, B Motaung, R Guler.	
14:30	S3.4	Development of an ultraviolet irradiation device: Initial bacterial inactivation profile.	
		J Oehley, L Paul, V Louw, S Sivarasu	
14:40	S3.5	Development of 3D multicellular human liver organoid derived from induced pluripotent	
		stem cells as the tool to model liver diseases.	
		SW Maepa, MJ Marakalala, H Ndlovu.	
14:50	S3.6	The prevalence and significance of MYD88^L265P and CD79^BY196 activating	
		mutations in a South African cohort of DLBCL patients.	
		BR Ramorola, K Antel, DR Chetty, S Mowla.	
15:00	S3.7	The anatomical variations of the recurrent laryngeal nerve and its relationship with the	
		inferior thyroid artery.	
		N Mpanza, A Bhagwandin, K Mpolokeng.	
15:10	S3.8	Repurposing drugs that target the oncogenic TBOX transcription factors TBX3 and TBX2	
		to treat pancreatic cancer.	
		K Serala, S Prince.	
15:20		Question & Answer Oral Session 3	

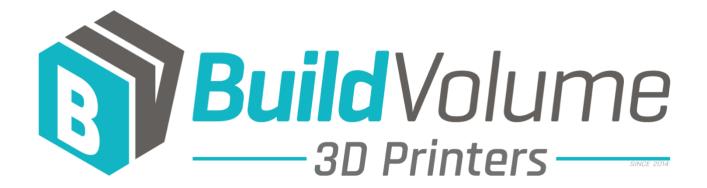
Break 15:30-16:00: Barnard Fuller Building & Frances Ames

16:00-16:30	Keynote speaker: Dr. Emmanuel San
	Applying of the first principles approach in research to solve complex problems and
	uncover new insights.
	New Learning Centre
16:30-17:00	Prize Giving, Closing Remarks & Cocktail Function.
	Anatomy Building Foyer

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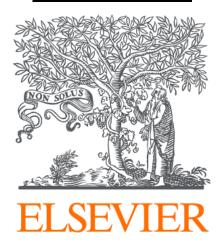
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	POSTER SESSIONS - Barnard Fuller Building & Frances Ames
S	ession 1 Morning Break 10-11: Odd Numbers Chairs: Ms. Megan Petersen & Dr. Roopam Dey
\$	Session 2 Lunch 13:00-14:00: Even Numbers Chairs: Dr. Ashwin Isaacs & Dr. Anja De Langa
PS1	Does size matter: preliminary observations on the influence of cadaver size on decomposition rate, insect assemblage and soil chemistry in the summer season of Cape Town, South Africa. AD Adetimehin , CG Mole, DA Finaughty, M Heyns.
PS2	Distinct T cell functional profiles in unvaccinated SARS-CoV-2 seropositive and seronegative children associated with endemic human coronavirus HKU1 cross-reactivity. SB Benede, MB Tincho, A Walters, et al.
PS3	Investigating the co-operation between the human papillomavirus (HPV) oncoproteins E6/E7 with the oncogenic T-box transcription factor 3 (TBX3) to promote cervical cancer. C Burmeister , S Khan, G Schäfer, S Prince.
PS4	Enhancing immune recognition and clearance of oncogenic HPVs with surfactant protein A. S Carse, MB Marusic, G Schafer.
PS5	Modulation of the riboflavin biosynthesis pathway in mycobacteria. MD Chengalroyen, C Mehaffy, M Lucas, et al.
PS6	Exploration of oxidative stress markers in type 2 diabetes mellitus. B Dyira, J Rusch, B Southon, D Blackhurst.
PS7	WITHDRAWN: The role of genetic signatures within the ABCB1, ORPM1 and COMT genes in the development of chronic shoulder pain and shoulder disability in breast cancer survivors. F Firfirey, A September, D Shamley.
PS8	Impact of intrauterine HIV exposure on infant antiviral antibody repertoire. R Gachogo , AU Happel, B Alinde, CM Gray, H Jaspan, S Dzanibe.
PS9	Variations in the circulus arteriosus cerebri in a South African cadaveric sample. J Garlick, K Mpolokeng, G Louw.
PS10	Effect of neurohumoral stimulation on stem cell- derived cardiac-like cells. P Joubert, K Samodien, A Gwanyanya.
PS11	Assessing the applicability of the pulp/tooth area ratio (PAR) method for estimating adult age-at-death in a South African cadaveric sample. D Kotze, VE Gibbon, C Mole.
PS12	Regulation of lymphomagenic factor AICDA by miRNA-181b in HIV-associated aggressive B-cell Lymphomas. T Kubheka , LA De Souza Rios, S Mowla.
PS13	Reactivation of KSHV by co-infections and inflammation in HIV-infected patients from South Africa. H Lambarey, M Blumenthal, A Chetram, G Shafer.
PS14	Retrospective audit of inherited metabolic disease diagnoses: implications for newborn screening in South Africa. S Lampert, D van der Westhuizen, S Meldau, J Rusch, G van der Watt.
PS15	Repurposing TBX3 targeting drugs niclosamide, piroctone olamine and pyrvinium pamoate for the treatment of cervical cancer. LW Macharia, S Khan, G Goding, S Prince.
PS16	WITHDRAWN: Evidence of functional connectivity disruptions between auditory and non-auditory regions in children living with HIV. J Madzime, M Jankiewicz, EM Meintjes, P Torre III, B Laughton, M Holmes.
PS17	Selective binding and internalization of SNAP-tag based fusion protein on melanotransferrin/p97-expressing tumors cells lines for an immunotheranostics purpose. SH Magagoum, M Karaan, F Augustin, N Biteghe, S Barth.

	POSTER SESSION CONTINUED
PS18	Assessment of common metrical sex estimation parameters in southern African Holocene San and
	Khoekhoe populations.
	S Malek, JC Sealy, VE Gibbon.
PS19	Cooperation of Epstein-Barr virus and HIV in the pathogenesis of HIV-associated Burkitt
	Lymphoma.
	L Mapekula, D Chetty, S Mowla.
PS20	WITHDRAWN: Mitochondrial DNA copy number determination in a South African cohort of
	Type 2 diabetes mellitus patients with target organ damage.
	T Mashilo, JA Rusch, S Meldau, J Dave.
PS21	Development of recombinant immunotoxins targeting overexpressed tumour cell surface
	biomarkers Trop2 and Mesothelin for cervical cancer treatment.
	S Masuku, S Barth.
PS22	WITHDRAWN: Characterisation of a public T cell clonotype enriched in M.tb infected individuals
	who do not progress to tuberculosis.
	M Matela, TJ Scriba, M Musvosvi.
PS23	Investigating the exacerbating effects of HIV-proteins on the BBB: an in vitro BBB model.
	S Matubatuba, S Mentor.
PS24	Next generation version of Pseudomonas Exotoxin A based immunotoxins with reduced
	immunogenicity to target triple negative breast cancer cells.
	J Mthehtwa, S Barth.
PS25	Investigating and evaluating the use of the ND4 marker for the effective taxonomic delineation of
	Lucilia sericata and Lucilia cuprina within the Western Cape of South Africa.
	D Naiker, K Kulenkampff, L Heathfield.
PS26	Investigating neural tube development using an in vitro stem cell-based model.
	A Rabeling, M Goolam.
PS27	Digital PCR for the simultaneous enumeration and assessment of the replication potential of
	Mycobacterium tuberculosis.
	D Ramamurthy , A Moosa, DF Warner.
PS28	Elucidating interactions between the mycobacterial mutasome/SOS response and other DNA repair
	pathways.
	A Ramudzuli, S Gessner, M Mason, D Warner.
PS29	Investigating cellular mechanics in endothelial cells infected with a recombinant Kaposi's sarcoma-
	associated herpesvirus.
	M Shabangu, M Blumenthal, D Sass, D Lang, G Schäfer, T Franz.
PS30	The development of recombinant immunotoxins for the treatment of triple negative breast cancer.
	J Singh, S Barth.
PS31	Regulators of neuroimmune function in the manifestation of central nervous system tuberculosis in
	the absence of microglia.
	L Thipane, A Walters, S Geyer Benjamin, NJ Hsu, M Jacobs.
PS32	Mortality due to gendered violence and life stage vulnerability in South Africa.
	C Voegt, E Dinkele, T Galloway, VE Gibbon.

HIP Research Day 2023 Programme



HIP Research Day 2023 Abstracts







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