

## NMRC Awarded Projects Talent Development - January 2023 Grant Calls

### Singapore Translational Research Investigator Award (STaR) 23 January Grant Call

Application ID	Project ID	Project Title	PI name	Host institution
STaR23jan-0001	-	Investigating Therapeutic Targets in Parkinson's disease	Tan Eng King	National Neuroscience Institute
STaR23jan-0004	-	Singapore Oral Population Health Initiative (SOPI): hypothesis-driven research to inform policymakers	Marco Peres	National Dental Centre Singapore

### Clinician Scientist Award - Senior Investigator (CSASI) 23 January Grant Call

Application ID	Project ID	Project Title	PI name	Host institution
CSASI23jan-0001	MOH-001363	Detection and optimization of treatment of severe cases of dry eye disease	Louis-Marie Grignion Tong Hak Tien	Singapore Eye Research Institute
CSASI23jan-0003	MOH-001364	Adipocyte browning by near infrared or alternating magnetic field exposure on subcutaneously implanted nanomaterials containing chemical agents (ANTENNA)	Leow Khee Shing Melvin	Tan Tock Seng Hospital
CSASI23jan-0004	-	Nanoparticle mediated complete synthesis of biological therapeutics	Chester Lee Drum	National University of Singapore

### Clinician Scientist Award - Investigator (CSAINV) 23 January Grant Call

Application ID	Project ID	Project Title	PI name	Host institution
CSAINV23jan-0001	MOH-001352	Cardiac Remodeling and Heart Failure Progression in Patients with Type 2 Diabetes Mellitus and Co-existing Hypertension (REMODEL-2)	Calvin Chin	National Heart Centre Singapore
CSAINV23jan-0002	-	A bioengineered probiotic approach for immunoregulation and restoration of skin barrier function in Atopic Dermatitis	Tham Huiwen Elizabeth	National University of Singapore
CSAINV23jan-0004	MOH-001366	The role of primary angle-closure glaucoma (PACG) susceptibility gene, EPDR1 in clinical PACG severity and intraocular pressure susceptibility	Anita Chan	Singapore Eye Research Institute
CSAINV23jan-0005	MOH-001365	Targeting Novel Macular Pigment Analysis and Therapy to Improve Vision-Related and Patient-Centred Outcomes for Epiretinal Membrane Surgery	Cheung Ning	Singapore Eye Research Institute
CSAINV23jan-0006	-	Genetics of Treatment Resistance in Schizophrenia	Jimmy Lee	Institute of Mental Health

### HPHSR Clinician Scientist Award - Senior Investigator (HCSASI) 23 January Grant Call

Application ID	Project ID	Project Title	PI name	Host institution
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### HPHSR Clinician Scientist Award - Investigator (HCSAINV) 23 January Grant Call

Application ID	Project ID	Project Title	PI name	Host institution
HCSAINV23jan-0001	-	ENABLE-SG (Educate, Nurture, Advise, Before Life Ends for Singapore) as a proactive palliative care model: Evaluation and implementation preparation	Yang Meijuan Grace	National Cancer Centre Singapore
HCSAINV23jan-0002	-	Potential of Interface Care models to deliver more appropriate care to patients with acute medical illness in Singapore and decrease utilisation of acute care bed-days.	John Soong Tshon Yit	National University Hospital
HCSAINV23jan-0003	-	Development and preliminary evaluation of a brief Stepped-care Telehealth Early intervention Protocol for Adolescent (STEP-A) emergency department patients with panic-related anxiety: An early stage multi-site single-arm hybrid effectiveness/implementation trial in Singapore	Sharon Sung	Duke-NUS Medical School

### Clinician Innovator Award (CIA) 23 January Grant Call

Application ID	Project ID	Project Title	PI name	Host institution
CIAINV23jan-0001	MOH-001405	Deep learning pipeline for augmented reporting of MRI whole spine	James Thomas Patrick Decourcy Hallinan	National University Hospital
CIAINV23jan-0002	MOH-001406	Reducing false-positive diagnoses and biopsies from breast screening: a novel noninvasive and clinically integrable ultrasound-guided optoacoustic imaging	Goh Yong Geng	National University Hospital
CIAINV23jan-0004	MOH-001407	Continuous non-invasive haemodynamic monitoring	Lim Yinghao	National University Hospital

### Transition Award (TA) 23 January Grant Call

Application ID	Project ID	Project Title	PI name	Host institution
TA23jan-0004	-	WORKING TOWARDS NEXT-GENERATION ALLOGENEIC CAR-T THERAPIES FOR RELAPSED/REFRACTORY NEUROBLASTOMA AND OTHER CHILDHOOD CANCERS	Michaela Seng Su-fern	KK Women's & Children's Hospital
TA23jan-0005	MOH-001367	Evaluating the Role of Tumour-Associated Macrophages in the Response to Anti-CD38 Monoclonal Antibody Therapy in Multiple Myeloma	Widanalage Sanjay Prasad de Mel	National University Hospital
TA23jan-0007	-	Gastric Bypass via Natural Orifice Trans-luminal Endoscopic Surgical (NOTES) approach: Towards clinical translation	Lim Chin Hong	Singapore General Hospital
TA23jan-0009	MOH-001368	Thromboinflammation and Cerebral Dysfunction following Acute Myocardial Infarction (TICAMI) Study	Sia Ching Hui (She Zhenghui)	National University Hospital
TA23jan-0013	MOH-001369	The Efficacy and Mechanism of Controlled Microtrauma on Human Hair Regrowth and Regeneration	Etienne Wang	National Skin Centre

### NMRC Research Training Fellowship (Fellowship) 23 January Grant Call

Application ID	Project ID	Project Title	PI name	Host institution
RTF23jan-0001	MOH-001382	Towards Precision Medicine in Systemic Sclerosis: Identification of Immune Signatures Associated with Disease Activity and Predictive of Treatment Response in the Systemic Sclerosis Cohort Singapore	Maria Noviani	Singapore General Hospital
RTF23jan-0002	MOH-001409	SB: Singapore Biodesign Innovation Fellowship Training Programme	Jocelyn Chew	National University of Singapore
RTF23jan-0004	MOH-001412	ENdocuff and Computer Aided Detection of polyps in colonoscopy (ENCAD)	Lin Weicong, Kenneth	Changi General Hospital
RTF23jan-0008	MOH-001404	The relationship between gut microbiome and tumour microenvironment through different phases of colorectal cancer progression	Ian Wee Jun Yan	Singapore General Hospital
RTF23jan-0009	MOH-001403	THE GENESIS STUDY – discoverinG novEl blood-based biomarkers aNd protEomic SignatureS of neurocognition and aging	Ming Ann Sim	National University Hospital
RTF23jan-0010	MOH-001381	Immunoprofiling and Microbiome Analysis of Gestational Immunity For Transfer cohort Against Common Neonatal Respiratory Pathogens	Low Jia Ming	National University Hospital
RTF23jan-0012	-	Singapore Biodesign Innovation Fellowship Training Programme	Clara Ngoh	National University Hospital
RTF23jan-0013	-	Health Technology Assessment of Population Oral Health Strategies	Tan Hui Xuan Sharon	National University of Singapore
RTF23jan-0014	MOH-001411	The adOlescent Acne STudy (TOAST): assessing quality of life and improving management	Lee Yuexian, Elis	KK Women's and Children's Hospital

RTF23jan-0018	MOH-001383	Decoding cortical and spinal signals through ultrafast functional ultrasound neural interface	Lo Yu Tung	National Neuroscience Institute
RTF23jan-0019	-	SB: Singapore Biodesign Innovation Fellowship Training Programme	Ooi Su Kai Gideon (Huang Shukai)	National Cancer Centre Singapore
RTF23jan-0022	MOH-001410	Muscle Quality Assessment in Sarcopenia: Examining the role of shear wave elastography in sarcopenia assessment and diagnosis	Chia Jia Qian	Tan Tock Seng Hospital
RTF23jan-0023	-	Cortical representation and hemispheric dominance of languages in multilingual individuals is dependent on the temporal acquisition of the primary and secondary languages	Swati Jain	National University Hospital
RTF23jan-0026	MOH-001408	Understanding the trans-kingdom metagenomic interactions of the human microbiome on obesity and metabolic syndrome	Chue Koy Min	Sengkang General Hospital