

NMRC Awarded Projects Talent Development - July 2022 Grant Calls

Singapore Translational Research Investigator Award (STaR) 22 July Grant Call

Application ID	Project ID	Project Title	PI name	Host institution
STaR22jul-0001	-	Defining how dengue virus "makes haste slowly" to enable a rational approach for engineering new live attenuated vaccine candidates	Ooi Eng Eong	Duke-NUS Medical School
STaR22jul-0004	-	Preclinical Intrauterine Nanoparticle-based Gene Editing for Genetic Diseases	Chan Kok Yen Jerry	KK Women's & Children's Hospital

Clinician Scientist Award - Senior Investigator (CSASI) 22 July Grant Call

Application ID	Project ID	Project Title	PI name	Host institution
CSASI22jul-0002	-	Transforming Population Eye Health Research (Transformer) Program: From Data and Algorithms to Precision Health	Cheng Ching-Yu	Singapore Eye Research Institute
CSASI22jul-0003	-	Characterizing the immune microenvironment to inform stratified immunotherapeutic approaches in MSS metastatic Colorectal cancer (MSS-mCRC)	Iain Tan Bee Huat	National Cancer Centre Singapore
CSASI22jul-0005	-	The SenseHealth Research Programme: Untangling the complex relationship between the severity/laterality of age-related sensory decline, and frailty in elderly Singaporeans through novel risk factors, non-invasive biomarkers, patient-centred impact, and potential intervention targets to improve frailty outcomes.	Ecosse Lamoureux	Singapore Eye Research Institute

Clinician Scientist Award - Investigator (CSAINV) 22 July Grant Call

Application ID	Project ID	Project Title	PI name	Host institution
CSAINV22jul-0007	-	Paracrine factors and their inhibitors: A novel therapeutic strategy for peritoneal carcinomatosis	Ong Chin-Ann Johnny	National Cancer Centre Singapore
CSAINV22jul-0014	-	Eradicating minimal residual disease using "off the shelf" Natural Killer (NK) cells for advanced nasopharyngeal cancer	Lim Chwee Ming	Singapore General Hospital
CSAINV22jul-0013	-	Developing Individualised Bacteriophage-Antibiotic Combinations for Difficult-to-treat Bacterial Infections	Andrea Kwa Lay Hoon	Singapore General Hospital
CSAINV22jul-0003	-	Explainable Artificial Intelligence for Glaucoma Detection	Jacqueline Chua	Singapore Eye Research Institute
CSAINV22jul-0004	-	Programme for Ocular Inflammation & Infection Translational Research (PROTON)	Rupesh Agrawal	Tan Tock Seng Hospital

CSAINV22jul-0015	-	The Singapore Platform for Controlled Human Infections with SARS-CoV-2 ('Sing-CoV')	Barnaby Edward Young	Tan Tock Seng Hospital
CSAINV22jul-0008	-	High-Dimensional Approach to Understanding Immune Dysregulation in Lupus Towards Novel Therapy	Yeo Joo Guan	KK Women's & Children's Hospital
CSAINV22jul-0009	-	Evidence-based lifestyle interventions for the delay of cognitive decline among older Singaporeans: cohort study and randomized controlled trial	Lei Feng	National University of Singapore
CSAINV22jul-0016	MOH-001233	Precision Medicine PDOX (Patient-derived orthotopic xenograft) Modelling of Brain Tumor Microenvironment in Craniospinal-Metastasizing Brain Germinoma Phenotypes for Preclinical Testing (PreClisionMOdELS 1.0)	Teo Wan-Yee	KK Women's & Children's Hospital
CSAINV22jul-0010	-	Different strokes for different folks - Leveraging on community social networks for public health education on antibiotic use and antimicrobial resistance	Angela Chow	Tan Tock Seng Hospital
CSAINV22jul-0002	-	Singapore Primary Angle Closure Evaluation and Diagnostics (SPACED) study	Monisha Esther Nongpiur	Singapore Eye Research Institute

HPHSR Clinician Scientist Award - Senior Investigator (HCSASI) 22 July Grant Call

Application ID	Project ID	Project Title	PI name	Host institution
HCSASI22jul-0001	-	Supporting at-risk Mothers across perinatal period: A Randomized controlled Trial (SMART)	Shefaly Shorey	National University of Singapore
HCSASI22jul-0004	MOH-001204	23hr laparoscopic colectomy: From dream to reality? A step wise approach.	Tan Ker Kan	National University of Singapore

HPHSR Clinician Scientist Award - Investigator (HCSAINV) 22 July Grant Call

Application ID	Project ID	Project Title	PI name	Host institution
HCSAINV22jul-0001	-	Evaluating the REal-World PATient-Reported and Economic Impact of Combined PHACO-MIGS Surgery (REWARD)	Ryan Man	Singapore Eye Research Institute
HCSAINV22jul-0002	-	Impact of Machine Learning-based Clinician Decision Support Algorithms in Perioperative Care - A Randomized Control Trial (IMAGINATIVE Trial)	Hairil Rizal bin Abdullah	Singapore General Hospital
HCSAINV22jul-0004	-	Giving the right treatment for the right patient. To define frailty in elderly cancer patients and to understand their preferences for care	Melissa Ooi Gaik Ming	National University Hospital
HCSAINV22jul-0005	-	Urban care farming on living well and productive engagement of older adults	Chen Huijun Cynthia	National University of Singapore

Clinician Innovator Award (CIA) 22 July Grant Call

Application ID	Project ID	Project Title	PI name	Host institution
CIAINV22jul-0003	-	First-In-Human Feasibility Study For A Colonic Endoscopic Intraluminal Support Structure (CEISS) In Colonic Polypectomy	Kaan Hung Leng	National University Hospital
CIAINV22jul-0002	-	Point-of-care Nocturia Evaluation - Improving the diagnosis and treatment of nocturia	Yong Jin	Singapore General Hospital

Transition Award (TA) 22 July Grant Call

Application ID	Project ID	Project Title	PI name	Host institution
TA22jul-0001	-	Fungal sensitization as a potential contributing factor to Chronic Obstructive Pulmonary Disease (COPD) deterioration	Tiew Pei Yee	Singapore General Hospital
TA22jul-0002	-	The Role of Novel Auto-Antibodies in Idiopathic Small Fiber Neuropathy	Amanda Chee Yun Chan	National University of Singapore
TA22jul-0003	-	Nanoparticle-assisted antisense oligonucleotide targeting Parkin as potential therapeutics for Parkinson's disease	Bin Xiao	National Neuroscience Institute
TA22jul-0005	-	Precision BRAin COnectivity Profiling of Learning Difficulties (BRACO-LD)	Ai Peng Tan	National University of Singapore
TA22jul-0012	-	Using sensors to detect mild cognitive impairment, early dementia and frailty among older adults living in the community: A proactive approach for healthy ageing	Iris Rawtaer	Sengkang General Hospital

NMRC Research Training Fellowship (Fellowship) 22 July Grant Call

Application ID	Project ID	Project Title	PI name	Host institution
RTF22jul-0001	-	Prefrontal cortical activity, impulsivity, and executive function in bipolar disorder: a functional near-infrared spectroscopy (fnirs) study	Teh Wen Lin	Institute of Mental Health
RTF22jul-0003	-	Developing molecular biomarkers for dementia staging in a Singapore cohort of geriatric patients	Fong Sheng	Singapore General Hospital
RTF22jul-0006	-	Evaluating the Role of Tumor-Associated Macrophages in the Response to Anti-CD38 Monoclonal Antibody Therapy in Multiple Myeloma	Widanalage Sanjay Prasad de Mel	National University Hospital
RTF22jul-0008	-	A study of epidemiological trends, transcriptomic and immunological profiles of early-onset colorectal cancer in Singapore	Chen Hui Lionel Raphael	Singapore General Hospital
RTF22jul-0009	-	Engineered extracellular vesicles for enhanced bone regeneration	Kumaran Rasappan	National University Hospital

RTF22jul-0010	-	Immunosenescence and mechanisms of attenuated vaccine response to SARS-CoV-2 in older adults	Vanda Ho	National University Hospital
RTF22jul-0013	-	Evaluating a novel locoregional immune-modulator in an immune-resistant mouse model of peritoneal metastasis	Chia Kai Ann, Daryl	National University Hospital
RTF22jul-0014	-	Sequencing for pathogens in patients with suspected central nervous system infections	Goh Yihui	National University Hospital
RTF22jul-0019	-	Decoding ischemic stroke mechanisms through a detailed analysis of the microstructure and composition of retrieved blood clots	JING MINGXUE	National University Hospital
RTF22jul-0020	-	Inflammation, metabolism and body composition as physiological markers of homeostatic capacity in a 'vitality index' of ageing: a study of the vitality domain of intrinsic capacity and its impact on frailty, activity levels and life-space mobility	Justin Chew	Tan Tock Seng Hospital
RTF22jul-0021	-	A pilot study on feasibility and efficacy of modified Crohn's disease exclusion diet in Asian adults with Crohn's disease	Tan Chin Kim	Changi General Hospital
RTF22jul-0022	-	Duke-NUS Medical School Master of International Translational Medicine Degree	Mark Koh Jean Aan	KK Women's & Children's Hospital