

## NMRC Awarded Projects Talent Development - May 2019 Grant Calls

### Singapore Translational Research Investigator Award (STaR) 19 May Grant Call

Application ID	Project ID	Project Title	PI name	Host institution
STaR19may-0001	MOH-000393	Personalizing Sleep Recommendations Across the Lifespan Using Large Scale Device Data	Chee Michael Wei Liang	National University of Singapore

### Clinician Scientist Award - Senior Investigator (CSASI) 19 May Grant Call

Application ID	Project ID	Project Title	PI name	Host institution
CSASI19may-0001	MOH-000325	Precision oncology approach to identification and expansion of tumor-targeting cytotoxic T-lymphocytes in head and neck squamous cell cancer	Gopal Iyer	National Cancer Centre Singapore
CSASI19may-0002	MOH-000306	Studies on low-cost and novel therapies for NASH	Paul Yen	Duke-NUS Medical School
CSASI19may-0005	MOH-000422	Management of Atypical Infections and Altered Immunity: Novel Diagnoses and Immune-targeted Therapy	Louis Chai	National University Hospital

### Clinician Scientist Award - Investigator (CSAINV) 19 May Grant Call

Application ID	Project ID	Project Title	PI name	Host institution
CSAINV19may-0003	MOH-000332	Modulating Endoplasmic Reticulum Stress as a prophylactic approach against symptomatic viral infection	Jenny Low Guek Hong	Singapore General Hospital
CSAINV19may-0006	MOH-000326	Re-invigorating cytolytic tissue resident memory T cells (cTRM T cells) for treating recurrent/relapsed nasopharyngeal cancer	Lim Chwee Ming	Singapore General Hospital
CSAINV19may-0008	MOH-000334	Transforming patient care through development of non-invasive, in-vivo bedside skin imaging tools for diagnosis, classification and delineation of skin cancer	Steven Thng	National Skin Centre
CSAINV19may-0009	MOH-000333	Understanding, influencing and empowering the spouses of colorectal cancer patients	Tan Ker Kan	National University of Singapore
CSAINV19may-0010	MOH-000335	Precision Medicine in Systemic Sclerosis Gastrointestinal Disease: Evaluating Imaging and Stool Biomarkers for Differentiating Disease Stages and Treatment Responses	Andrea Low	Singapore General Hospital

### Clinician Innovator Development Award (CIDA) 19 May Grant Call

Application ID	Project ID	Project Title	PI name	Host institution
CIDA19May-0001	MOH-000367	WeeCare – Bringing personalized care to patient with lower urinary tract symptoms (LUTS) into community.	Ng Tze Kiat	Singapore General Hospital
CIDA19May-0002	MOH-000486	Safety Of The Ingestible Magnetically Inflated Balloon Capsule (IMI-BC) For The Treatment Of Obesity	Kaan Hung Leng	National University Hospital
CIDA19May-0004	MOH-000318	Algorithm for diagnosis of peripheral blood films via deep learning and computer vision.	Fan Bingwen Eugene	Tan Tock Seng Hospital

### Transition Award (TA) 19 May Grant Call

Application ID	Project ID	Project Title	PI name	Host institution
TA19may-0001	MOH-000336	Novel palliative care model for advanced cancer patients: A randomized controlled trial study	Yang Meijuan Grace	National Cancer Centre Singapore
TA19may-0002	MOH-000338	Development and Validation of a Myopia-Specific Item Bank Administered using Computerized Adaptive Testing: The MyoCAT Study	Ryan Man	Singapore Eye Research Institute
TA19may-0003	MOH-000337	The Immunostimulatory Effects of Gentamicin: Translating Aminoglycoside Antibiotics into Antiviral Therapeutics for Pandemic Response	Shirin Kalimuddin	Singapore General Hospital
TA19may-0004	MOH-000414	Understanding and targeting the Interleukin 1 Receptor Associated Kinase 1 (IRAK1) pathway in solid tumors	Joline Lim	National University Hospital

### NMRC Research Training Fellowship (Fellowship) 19 May Grant Call

Application ID	Project ID	Project Title	PI name	Host institution
FLWSHP19may-0001	MOH-000398	Identification and characterization of dedifferentiating colorectal cancer transcriptomic targets using single cell RNAseq	Chan Kok Hong Dedrick	National University Hospital
FLWSHP19may-0002	MOH-000310	Utilizing Machine Learning and Natural Language Processing methods on real-world Electronic Medical Record data for automated surgical complications prediction and detection	Hairil Rizal Bin Abdullah	Singapore General Hospital
FLWSHP19may-0003	MOH-000421	Surveillance of Hospital Environmental Microbiome for Healthcare Associated Infection (HAI) Outbreaks	Ko Kwan Ki	Singapore General Hospital

FLWSHP19may-0005	MOH-000313	PARP inhibitors modulate immune responses independent of BRCAness in ovarian cancer therapy	Natalie Ngoi Yan Li	National University Hospital
FLWSHP19may-0006	MOH-000428	Optimizing the robotic endoscope for clinical application	Kaan Hung Leng	National University Hospital
FLWSHP19may-0009	MOH-000396	Non-adherence to cancer treatments and the survival gains observed in pivotal phase 3 trials and expected in routine practice	Soon Yu Yang	National University Hospital
FLWSHP19may-0010	MOH-000309	Developing the Application of T regulatory cells and CD62L-depleted T cells in Adoptive Cell Therapy	Michaela Seng Su-fern	KK Women's & Children's Hospital
FLWSHP19may-0013	MOH-000312	Improving acute myocardial infarction outcomes by reducing myocardial infarct size and preventing adverse cardiac remodelling through the use of pharmacological and telemedicine strategies	Chong Jun Hua	National Heart Centre Singapore