

**Grants (Year 2017)**

No	Research Title	Principal Investigator (PI) / Co-Investigator (Co-I) / Collaborator	Funding Source
<b>Breast &amp; Trauma Surgery</b>			
1	Genetic Origin of Adverse Drug Reactions in Singaporean Breast Cancer Patients	PI – <b>Mikael Hartman</b> Co-I – Lee Soo Chin, Li Jingmei, Feng Mengling Site PI – Lim Swee Ho, Tan Ern Yu, Tan Su Ming, Tan Kiat Tee Benita, Yong Wei Seang Collaborator – <b>Ngiam Kee Yuan</b> , Tai E Shyong	NMRC Clinician Scientist Award (Senior Investigator)
2	Improving Cancer Outcomes in Western Singapore through Collaborative Research	PI – <b>Mikael Hartman</b> Co-PI – Tan Chuan Chien Co-I – Eng Chon Boon, David Tan, Samuel Ow, Han Tun Oo	NMRC Centre Grant
3	Injury in the Over 55: Risk Factors and Determinants for Increased Healthcare Utilization Post-Injury	PI – Wong Ting Hway, <b>Philip Iau</b> , Ang Seng Hock Arron, Jerry Goo, Chan Kim Chai, Chua Wei Chong Co-I – <b>Lynette Loo</b>	NMRC Health Services Research Competitive Research Grant
4	Inhibition of IGFBP2 and/or CCL28 in Alleviation of Taxane Resistance in Breast Cancer - a Proof-of-Concept Study using 3D In Vitro and Xenograft In Vivo models	PI – Evelyn Koay Siew Chuan Co-I – <b>Mikael Hartman</b>	NUHS Open Call for Collaborative Research Grants (FY16)
<b>Cardiac, Thoracic &amp; Vascular Surgery</b>			
1	Solving Cardiac Epigenetics, Remodelling and Repair (SCEPTRE)	PI – <b>Theodoros Kofidis</b> Co-I – <b>Wang Jiongwei</b>	NMRC Centre Grant August 2016 Grant Call
2	Preventing Oxidative stress induced Ischemic Injury- and Systemic Inflammation complications during and after invasive Cardiac surgery with Alkaline Phosphatase (APPIRED III)	PI – <b>Theodoros Kofidis</b> Co-PIs – <b>Ramanathan Kollengode</b> Collaborator – <b>Lee Chuen Neng</b> , Yeoh Siang Fei, Chua Horng Ruey	Alloksys Life Sciences BV
3	Facilitating Easier, Safer, Better Minimally Invasive Heart Surgery	PI – <b>Theodoros Kofidis</b>	NUHS-NHIC Joint MedTech Grant 2017
4	Differential Gene Expression of Aortic Wall Tissue from Patients with Low Syntax Score and High Syntax Score: A Class Comparison Study to Investigate the Genomic Regulation of Different Pattern of Coronary Lesions	PI – <b>Sorokin Vitaly</b>	NUHS Bridging Funds
5	Biomimetic (Supera) Stent for Treatment of Cephalic Arch Stenosis	PI – <b>Jackie Ho Pei</b>	Abbott Laboratories
<b>Colorectal Surgery</b>			
1	Beyond Surviving Colorectal Cancer: How Cancer Survivors Can Influence the Attitudes of their Family Members Towards Screening and Play a Role to Support those with Cancer	PI – <b>Tan Ker Kan</b> Co-I – <b>Lim Tian Zhi</b> , Iain Tan, <b>Dedrick Chan</b> , Gerald Koh, Yeoh Khay Guan, Tan Kok Yang, <b>Frederick Koh</b> , Yong Wei Peng, <b>Chong Choon Seng</b> , Dawn Chong, Tai Bee Choo, <b>Cheong Wai Kit</b> , Wong Mee Lian, Jeremy Tey, <b>Mikael Hartman</b> , Chee Cheeng Ean, Luo Nan, Chew Min-Hoe, James Ngu	NMRC Health Services Research Grant
2	Uncovering the Barriers of Colorectal Cancer Screening Amongst Siblings of Colorectal Cancer Patients through a Randomised Control Trial	PI – <b>Tan Ker Kan</b> Co-I - Gerald Koh, Wong Mee Lian, Tai Bee Choo, <b>Chong Choon Seng</b> , <b>Dedrick Chan</b> , <b>Lim Tian Zhi</b> , <b>Frederick Koh</b>	MOE Tier 1 FRC Sep 2016 Grant Call

**Grants (Year 2017) - Cont**

No	Research Title	Principal Investigator (PI) / Co-Investigator (Co-I) / Collaborator	Funding Source
<b>General Surgery</b>			
1	Targeted Inhibition of Toll-Like Receptor 7 to Salvage Cardiac Function after Myocardial Infarction	PI – <b>Wang Jiongwei</b>	MOE/NUSMed Post-Doctoral Fellowship
2	Next Generation Neurotechnology Device Platform	PI – <b>Percy Luu</b>	SMART Innovation Centre Innovation Grant
3	Tissue Factor in Cardiac Remodeling After Myocardial Infarction	PI – <b>Wang Jiongwei</b> Co-I – Mark Chan Collaborator – Dominique de Kleijn, Henri Versteeg	NUHS Open Call for Collaborative Research Grants (FY16)
4	Prospective pilot study of tumour associated glycan expression in patients with indeterminate (Bethesda III) thyroid nodules – a multicenter study	PI – <b>Rajeev Parameswaran</b>	Endocrine & Metabolic Society of Singapore Research Grants 2017
5	Concomitant Limb Cryocompression and Scalp Cooling to Reduce Paclitaxel-induced Neuropathy and Alopecia	PI – Raghav Sundar Co-I – <b>Percy Luu</b>	NMRC New Investigator Grant 2017
<b>Hepatobiliary &amp; Pancreatic Surgery</b>			
1	Blood Salvage Auto Transfusion during Liver Transplantation and Resection for Hepatocellular Carcinoma: Is There a Risk of Reintroduction of Tumor Cells?	PI – <b>Alfred Kow</b> Collaborator – Lim Chwee Teck, <b>Jarrold Tan</b>	NCIS Centre Grant Yong Siew Yoon Program (March 2017 Grant Call) Pilot Grant Program
2	A Patient-Specific Diagnostic and Predictive Platform for Precision Medicine in HCC	PI – Pierce Chow Co-PIs – Vinay Tergaonkar, Ramanuj DasGupta, Dan Yock Young Co-Is – <b>KK Madhavan, Iyer Shridhar Ganpathi, Alfred Kow, Glenn Bonney Kunnath</b> Collaborator – Nam Do-Hyun	BMRC Industry Alignment Fund (Pre-Positioning)
<b>Neurosurgery</b>			
1	Use of suicide gene modified mesenchymal stem cells and 5-fluorocytosine prodrug for the targeted treatment of temozolomide resistant glioblastomas	PI – <b>Teo Kejia</b> Co-I – <b>Yeo Tseng Tsai</b>	SMART Innovation Grant
2	Identification of Magnetic resonance imaging biomarkers of Small vessel disease in Spontaneous non-lobar intracerebral hemorrhage (MASS Study)	PI – <b>Teo Kejia</b> Co-I – <b>Yeo Tseng Tsai, Colin Teo</b> , John Totman, Eric Ting Anil Gopinathan Collaborator – Mary Stephenson	NUHS Pitch for Funds
<b>Urology</b>			
1	Remote-controlled Photo-therapy with Small-Scale Wireless Bioelectronics	PI – Zhang Yong Co-I – Neoh Koon Gee, Paul Ho Chi Lui, Pierce Chow, <b>Kesavan Esuvaranatham, Edmund Chiong</b> , Soo Khee Chee, John Ho, Tan Thatt Yang Collaborator – <b>Ratha Mahendran</b> , Ada Poon	MOE ARF Tier Grant
2	Proof of Principle Study on the Use of Multiphoton Microscopy Imaging for Characterization of Kidney Cancer-Parenchymal Interface	PI – <b>Tiong Ho Yee</b> Co-I – <b>Tay Wy Keat</b> , Yi Quan Tan, Li Yin Ooi Collaborator – Serene Lek, Vathsala A, Teo Zui Chih Thomas Paulraj Thamboo	NUHS Innovation Seed Grant
3	Validation of An Endourology Simulation Model with Enhanced 'Fluoroscopy' Capabilities	PI – <b>Jirong Lu</b> Co-I – <b>Tiong Ho Yee</b> , Karthik Thandapani	Cook Medical Donation Grant
4	Antimicrobial urease inhibitor-containing coating for urinary catheter	PI – Paul Anantharajah Tambyah Co-I – <b>Edmund Chiong</b> , Neoh Koon Gee	NUHS Joint Med-Tech