

# DEPARTMENT OF SURGERY

## Grants (Year 2013)

No	Research Title	Principal Investigator (PI) / Co-Investigator (Co-I) / Collaborator	Funding Source
<b>Breast &amp; Trauma Surgery</b>			
1	Research Core 6: Cancer Epidemiology and Statistics	PI – <b>Mikael Hartman</b>	NMRC Centre Grant NCIS - Development of Novel Therapeutics and Biomarker-Directed Strategies in Refractory Solid Tumors and Haematological Malignancies
2	Tailored Prediction of Risk and Outcome of Breast Cancer in South East Asia	PI – <b>Mikael Hartman</b>	NMRC Clinician Scientist Award
3	Rapid Near-infrared Spectroscopy System for Intraoperative Margin Assessment in Breast Conserving Surgery	Lead PI – Liu Quan Clinical PI – <b>Chan Ching Wan</b> Co-I – Lye Whye-Kei	NRF Proof of Concept Grant
4	Personalized Screening For Early Breast Cancer Risk Prediction Using Breast Density Measures	PI – Li Jingmei Co-Is – Law Yan Nei, Lee Hwee Kuan, Liu Jianjun Collaborators – Per Hall, Kamila Czene, Keith Humphreys, Chia Kee Seng, <b>Mikael Hartman</b>	A*Star 2nd JCO Career Development Award
<b>Cardiac, Thoracic &amp; Vascular Surgery</b>			
1	Management of Heart Failure Patients: Transapical Cardioscopic Surgery, A Novel, Less Invasive Approach for Cardiac Procedures	PI – <b>Theodoros Kofidis</b>	NMRC/NUHCS Centre Grant/Theme 4
2	Transatrial, Catheter-based Valve Implantation on the beating heart.	PI – <b>Theodoros Kofidis</b> Co-Is – <b>Lee Chuen Neng</b> , Ti Lian Kah	NMRC Clinician Scientist - Individual Research Grant Award
3	Percutaneous Mitral Valve Replacement	Lead Clinical PI – <b>Jimmy Hon</b> Lead Technical PI – Leo Hwa Liang Co-I – Cui Fangsen Collaborators – <b>Benjamin Chua, Melvin Loh &amp; Rachel Hong</b>	A*Star Biomedical Engineering Programme
4	Respiratory Dialysis : Simple Carbon Dioxide Removal for Patients with Respiratory Failure	PI – <b>Matthew Cove</b> Co-I – <b>Theodoros Kofidis</b>	NMRC Transition Award
<b>Hepatobiliary &amp; Pancreatic Surgery</b>			
1	Image and Model-based Human-Robot Collaborative System for Large Liver Tumor	Med PI – <b>Stephen Chang</b> Tech PI – Chui Chee Kong	Singapore-China 9th Joint Research Programme (SG-CN JRP) Grant Call
2	Real-Time Continuous Organ Perfusion Monitoring for Organ Viability	Med PI – <b>Victor Lee</b> Co-I – <b>Krishna Kumar Madhavan</b> , Lian Yong	Singapore-MIT Alliance for Research and Technology (SMART) Ignition Grant
3	Development of Mobile Gaming Application for Teaching Patient Safety Modules for Medical Students	PI – <b>Alfred Kow</b> Co-I – Sophia Ang	NUS Teaching Enhancement Grant
<b>Neurosurgery</b>			
1	A randomized, double-blind, placebo-controlled trial to investigate safety and efficacy of Cerebrolysin in patients with traumatic brain injury	PI – <b>Yeo Tseng Tsai</b>	Ever Neuropharma
2	Translational Imaging of the "Hot" Brain: Determination of metabolic Outcomes	PI – Velan Sambasivam Sendhil Co-I – <b>Sein Lwin</b>	A*STAR-MINDEF

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<b>Plastics, Reconstructive &amp; Aesthetic Surgery</b>			
1	Clinical Research Unit for Skin Allergy and Regeneration (CRUSAR)	Lead-PI – Paul Bigliardi Co-PIs – Mei Bigliardi, Malini Olivo, Mart Ang, Colin Song, <b>Lee Shu Jin</b>	A*Star BMRC Strategic Positioning Fund
<b>Upper Gastrointestinal Surgery</b>			
1	Singapore Gastric Cancer Consortium - Re-defining Gastric Cancer Management - Theme 1, 2 & 3	PI – Yeoh Khay Guan Co-I – <b>Jimmy So</b>	NMRC TCR Flagship Programme
2	Singapore Gastric Cancer Consortium - Re-defining Gastric Cancer Management – Theme 2 & 3	PI – Yeoh Khay Guan Co-I – <b>Koji Kono</b>	NMRC TCR Flagship Programme
3	Immunogenic Cell Death Induced by Chemoradiotherapy Against Upper GI Cancer	PI – <b>Koji Kono</b>	NMRC Clinician Scientist - Individual Research Grant Award
4	Study on the effect of a novel gastroduodenal sleeve on weight loss and metabolic parameters in a chronic animal model	Basic Science PI – <b>Jimmy So</b> Clinical PI – <b>Asim Shabbir</b>	NUHS Bench to Bedside to Product
5	Evaluation of antibody-dependent cell cytotoxicity (ADCC) against gastric cancer cells	PI – <b>Koji Kono</b>	Kyowa-Hakko-Kirin Co.
6	Real-time Non-Invasive Magnetic Field-Based Localization of Nasogastric Tube	PI – Foong Shaohui Co-I – <b>Asim Shabbir</b>	SUTD-MIT International Design Centre (IDC) Research Grant
<b>Urology</b>			
1	A Multinational, Phase 3, Randomized, Double-Blind, Placebo-Controlled, Efficacy and Safety Study of Enzalutamide in Patients With Nonmetastatic Castration-Resistant Prostate Cancer	PI – <b>Edmund Chiong</b>	Medivation Inc.
2	Surface Modification of Peritoneal Dialysis Catheters to Inhibit infection and Omental Wrapping	Basic Science Co-PI – Neoh Koon Gee Clinical Co-PI – <b>Edmund Chiong</b>	BMRC-NMRC Bedside and Bench (B&B) Grant
3	The use of intravesical Lactobacillus rhamnosus GG as a safe and efficacious alternative treatment for bladder transitional cell carcinoma- A pilot clinical study	PI – <b>Kesavan Esuvaranathan</b> Co-Is – <b>Ratha Mahendran, Juwita Rahmat &amp; Fiona Wu</b>	NMRC Centre Grant Theme 3
4	A Randomized, Double-Blind, Parallel-Group, Placebo- and Active-Controlled, Multi-center Study to Evaluate the Efficacy, Safety and Tolerability of Combinations of Solifenacin Succinate and Mirabegron Compared to Solifenacin Succinate and Mirabegron Monotherapy in the Treatment of Overactive Bladder	PI – <b>David Terrence Consigliere</b>	Astellas Pharma Europe B.V
5	"Seymour Shield" – an operative adjunct-device for maintaining visualization during laparoscopic surgery	Lead Tech Co-PI – Leo Hwa Liang Lead Clinical Co-PI – Shanker Pasupathy Co-PIs – Kam Ming Hian, <b>Ng Tze Kiat</b> , Pearlina Teo, Tya Hsien Ts'ung, Peh Ruey Feng Collaborator – Justin Phoon	A*Star Biomedical Engineering Program (BEP) 2012 Grant Call
6	Isolation and molecular characterization of intracellular bacteria relevant for recurrent urinary tract infection	PI – Swaine Chen Co-I – <b>Tiong Ho Yee</b> , Lin Yue Larry Yung Collaborator – Paul Anatharajah Tambyah & Kian Meng Lim	NMRC Clinician Scientist Individual Research Grant Award