

S/N	ACP	Name of CS	Research interests and clinical speciality	Email Address	Remarks (If any)
1	ANAES	Sng Ban Leong	Head of Department and Senior Consultant in Women's Anaesthesia, KKH who is also a NMRC Clinician Scientist Award (CSA) awardee. He is actively involved in translation and clinical research work in O&G anaesthesia and analgesia and development of novel drug delivery systems. He has also advanced the research for understanding of the mechanisms regarding the pain and psychological vulnerabilities associated with childbirth and Caesarean delivery.	gmssbl@nus.edu.sg	
2	ANAES	Hairil Rizal Abdullah	Clinical specialty in Anesthesiology, with subspecialisation in Perioperative Medicine. Research interests include surgical population outcomes and health (Health Services Research) where we investigate the risk factors for poor postoperative outcomes such as anemia, cigarette smoking, aging/frailty etc etc and ways to mitigate the risks. He is also the PI for the largest surgical population database in the region (PASA) and heavily involved in datascience research. His MSc is in Perioperative Medicine and my PhD is in Healthcare Datascience.	hairil.abdullah@duke-nus.edu.sg	
3	CVS	Derek Hausenloy	Conducts basic, translational and clinical research in the areas of ischaemic heart disease, heart failure, cardioprotection, and cardiac MRI. His main research focus is on discovering novel therapies for protecting the heart against the detrimental effects of acute ischaemia/reperfusion injury (IRI) in order to prevent the onset of heart failure. Uses a translational approach to cardioprotection ranging from cellular and animal models of acute IRI to proof-of-concept clinical studies in acute myocardial infarction and cardiac bypass surgery patients, and finally to large multi-centre randomised clinical trials focused on clinical outcomes. Also interested in both small animal and clinical cardiac PET and MRI imaging in the context of acute myocardial infarction and cardioprotection, and more recently, have developed an interest in using human iPSC-derived cardiomyocytes to model cardiomyopathies in order to elucidate underlying mechanism and identify novel therapeutic targets.	derek.hausenloy@nhcs.com.sg	
4	CVS	Lohendran Baskaran	The overall goal of his research is to reduce the mortality, morbidity and healthcare burden of cardiovascular disease (CVD) by harnessing AI to provide cost-efficient personalized risk prediction and targeted preventative intervention that will impact patients' lives. From clinical care and diagnosis, his passion in medicine has expanded into risk prediction, prognostication and prevention. With that, he has developed a deep interest in AI applications in cardiovascular medicine and imaging, especially in cardiac CT.	gmsloh@nus.edu.sg	
5	EM	Marcus ONG Eng Hock	Research areas: Implementation Science, Data Science and Health Services Research, Pre-hospital Emergency Care, Medical Devices. Expertise in Data Science, Geospatial Analysis, Clinical Trials, Resuscitation and Cardiovascular Sciences, Pre-hospital Emergency Care, and Biomedical Engineering. Technologies/Tools: AI, Modelling, Signal Processing and Algorithms. Clinical Speciality: EM: Pre-hospital Emergency Care, COVID-19	marcus.ong@duke-nus.edu.sg	
6	EM	Ho Fu Wah Andrew	Dr Andrew Ho is an academic Emergency Physician in Singapore General Hospital. His clinical and research interests lie in resuscitation, health services and public health. He graduated from National University of Singapore with MBBS in 2013, MMed in 2017 and MPH in Epidemiology & Quantitative Methods in 2021. After completing the SingHealth Emergency Medicine Residency Programme, and the year-long Singapore Chief Residency Programme at the MOHH Healthcare Leadership College, he attained specialist accreditation in 2021. His research philosophy integrates methods from clinical epidemiology, population health sciences and implementation science to drive outcomes improvement in patients with sudden cardiac arrest and other emergency conditions, and population health.	gmshfw@nus.edu.sg	
7	EYE	Cheng Ching-Yu	Prof Cheng has expertise both in data science and ophthalmology, in particular glaucoma. As the Director of the Singapore Epidemiology of Eye Diseases (SEED) program, he has built up one of the largest epidemiological databases and biobanks (n >10,000) for eye diseases globally. His team uses AI-based big data analytics for disease prediction and detection, and the work has led to several publications in high-impact journals.	gmccyu@nus.edu.sg	
8	EYE	Ecosse Lamoureux	Professor Lamoureux is a tenured Professor with the Duke-NUS Medical School and holds other professorial appointments with the National University of Singapore (Ophthalmology) and University of Melbourne (Medicine, Dentistry and Health Sciences). He is recognized nationally and internationally for his work in population health research; the epidemiology of age-related multisensory aging; patient-centered outcomes; development of patient-reported outcome measures using modern psychometric theory, item banking, and computer adaptive testing (CAT). He has developed several eye-disease specific CATs and a fully operational CAT online platform. To date, he has ~450 publications in top international journals and his overall research activities have attracted over SG\$42 million in competitive grant funding, which include multiple top-tier individual grants in Australia and Singapore. Professor Lamoureux has contributed significantly to the better understanding of the economic, social, and personal burden, and considerable impact of vision impairment and ocular pathologies in Singapore and Asia. He is able provide his expert advice, scientific input, and mentorship in population health and patient-centered outcome projects which will enhance the mentee's capability and leadership in his/her area of research training.	ecosse.lamoureux@seri.com.sg	
9	EYE	Jacqueline Chua	She is interested to use novel ocular imaging technologies to improve the detection and progression of blinding eye diseases. She has been mentoring medical students since 2017. In particular, she has mentored 10 students and some have been awarded the SingHealth Medical Student Talent Development Award, participated in local conferences, and achieved co-authorship publications.	gmccymj@nus.edu.sg	
10	EYE	Liu Yu Chi	A corneal specialist. Research focus: corneal and external eye diseases. Recent research focus: corneal neuropathy, spanning from pre-clinical studies, nerve imaging to clinical trials.	gmsliuyc@nus.edu.sg	

11	EYE	Louis Tong	Interested in immunology and Inflammation, especially related to epithelial biology or -omics. He can link mentee to clinicians and surgeons who can provide him with biospecimens for analysis. He works in the dry eye and ocular surface field and can introduce mentee to International Collaborators (Industry and Academic).	louis.tong@duke-nus.edu.sg	
12	EYE	Rachel Chong	Consultant, Glaucoma service; Study neurovascular dysfunction in pre-clinical models of glaucoma and have a special interest in glaucoma patients with high myopia.	gmsrcs@nus.edu.sg	
13	EYE	Quan Van Mahn Hoang	A/Prof. Donny Hoang is a Senior Consultant in the Surgical Retina Department of the Singapore National Eye Centre and heads a laboratory group focused on High and Pathologic myopia with a clinical and research focus on extreme short-sightedness. He is funded by an NMRC Clinician Scientist Award, an NMRC CS-IRG, the National Institutes of Health (USA) and as a project PI and Co-I for a 36 million SGD A*STAR IAF-ICP grant to support the SERI- Johnson & Johnson Vision Care Joint Research Programme for Myopia.  At SNEC and Duke-NUS, his work profile is divided between clinical work and research, with both endeavours mainly focused on extreme short-sightedness, an important blinding condition in Singapore. Although minimal levels of short-sightedness are considered a minor inconvenience, pathologic myopia occurs at extreme levels of lifelong, progressive eye elongation and subsequent eye wall thinning, which allows for localized deformations (called staphyloma), and subsequent vision-threatening changes.  Specifically the Hoang laboratory in the Ocular Imaging department at SERI focuses on clinical studies employing cutting-edge non-invasive multimodal imaging to identify patients at greatest risk of vision loss from short-sightedness. Concurrently, he is continuing animal-model-based, engineering-based and wet lab-based studies aimed at discovering novel treatments to stunt short-sightedness and avoid vision-threatening changes, including scleral collagen crosslinking to selectively strengthen areas of the eye wall. His laboratory group includes postdocs from electrical engineering, chemical engineering, visual neuroscience as well as ophthalmologists. These techniques have the potential to benefit millions of highly myopic individuals who are at high-risk of eventual vision loss.	gmshqvm@nus.edu.sg	
14	EYE	Tham Yih Chung	A clinically trained-optometrist (allied health) with PhD training in ophthalmology, ocular epidemiology (National University of Singapore).  Research focus: eye disease epidemiology, community screening, clinical imaging, and deep learning. I have solid track record in eye and public health research, with more than 160 peer-reviewed scientific papers in notable journals such as Lancet Digital Health, Nature Biomedical Engineering, Ophthalmology, & JAMA Ophthalmology etc.	tham.yih.chung@seri.com.sg	
15	MED	Andrea Kwa Lay Hoon	Antimicrobial Resistance (bacterial and fungi diseases: PK/PD, genomics evaluation, therapeutic drug monitoring, risk factors/clinical outcomes prediction, innovative/new therapeutic/diagnostic strategies, Artificial intelligence to guide diagnosis/treatment	andrea.kwa.l.h@sgh.com.sg	
16	MED	Andrea Low Hsiu Ling	Clinical specialty : Rheumatology Research interest: clinical and translational aspects of systemic sclerosis (SSc), a prototypic fibrosing disease characterised by immune dysregulation and vasculopathy. She has established the national database of SSc patients with well-phenotyped patients and biosamples collected to address key research questions. I lead international collaborative research partnership with particular focus on the heart, lung and gastrointestinal tract, and investigating the microbiome.	andrea.low.h.l@singhealth.com.sg	
17	MED	Jenny Low Guek Hong	Dr Jenny Low is a Board Certified Senior Consultant with the Department of Infectious Diseases in Singapore General Hospital and Associate Professor with the programme in Emerging Infectious Diseases, Duke-NUS Medical School. Concurrently, she is the Co-Director of the Viral Research and Experimental Medicine Centre@ SingHealth Duke-NUS (ViREMiCS) in the SingHealth Duke-NUS AMC and Deputy Clinical Director at the SingHealth Investigational Medicine Unit (IMU).  Her current research focus is on early phase adaptive clinical trials of viral therapeutics and vaccine development, as well as the role of the innate immune responses in modulating the outcome of infection or vaccination, thereby improving therapeutic interventional strategies for infectious diseases.  Assoc Prof Low led the early dengue infection and outcome (EDEN) study that detailed, in several publications, clinical dengue in adults. She was the lead clinical investigator in the first proof-of-concept clinical trial on the use of Celgosivir as an anti-dengue drug (CELADEN) in Singapore. She was also the lead PI in an investigator led trial that tested the role of pre-existing cross-reactive antibodies in influencing vaccine efficacy using JE and YF vaccinations. She is twice awarded the National Clinician Scientist Award in 2016 and 2019 for her to study these unmet clinical needs.	jenny.low@duke-nus.edu.sg	
18	MED	Katy Leung Ying Ying	A/Prof Leung joined the Department of Rheumatology & Immunology (RHI) at Singapore General Hospital (SGH) as consultant in 2011 and senior consultant in 2013. Her interests in research include osteoarthritis, psoriatic arthritis, spondyloarthritis, biomarkers and health-related quality of life. A/Prof Leung is supported by the NMRC Clinician-Scientist Award since 2017. A/Prof Leung has published more than 140 articles in peer review journals and currently serving in editorial board for 5 journals: Journal of Rheumatology, Singapore Medical Journal, International Journal of Rheumatic Diseases, BMC rheumatology and Frontiers in Medicine. She has led numerous research projects with numerous international societies in rheumatology, and currently co-chairing the scientific committee in the Asia Pacific League of Associations for Rheumatology (APLAR).	katy.leung.y.y@singhealth.com.sg	

19	MED	Lim Tze Peng	Senior Principal Pharmacist Researcher with the Department of Pharmacy in Singapore General Hospital (SGH). Has a PhD from National University of Singapore, Yong Loo Lin School of Medicine, and has been active in antimicrobial resistance research for more than ten years.  Research focus: infectious diseases, specifically to understand the relationship between antimicrobial exposures (dosing) and clinical outcomes of patients with healthcare associated antibiotic resistant Gram-negative bacteria (GNB) infections.	tzepeng.lim@duke-nus.edu.sg	
20	MED	Dr Tan Hong Chang	Dr Tan is clinically trained as an endocrinologist specialist and currently hold the position of Senior Consultant with the Department of Endocrinology at SGH. His research specialization includes:  1. Human metabolic research involving glucose regulation and amino acid metabolism 2. Disease areas: Type 2 Diabetes, Obesity, Sarcopenia, non-alcoholic fatty liver disease 3. Specialized research skills: Clamp studies, stable-isotope kinetic studies	gmsthch@nus.edu.sg	
21	MED	Charles Chuah Thuan Heng	Dr Chuah has a strong and active interest in clinical and translational research in chronic myeloid leukaemia (CML) and targeted therapy for blood cancer. His research interests include mechanisms of resistance and targeted therapy in CML. Dr Chuah is a principal investigator in more than twenty multi-centre clinical trials. He is the overall Lead for the Targeted Therapy for Blood Cancer (TETRAD) Collaborative Centre Grant.	charleschuah@duke-nus.edu.sg	
22	MED	Damien Tan Meng Yew	Dr Tan is a Senior Consultant with the Department of Gastroenterology and Hepatology at SGH. His research interests includes:  1. Pancreatic diseases (Pancreatic cancer, pancreatic cysts, pancreatitis) 2. Bile duct diseases (Bile duct cancers, strictures, stones) 3. Advanced endoscopy (Endoscopic Ultrasound, ERCP)	gmstmyd@nus.edu.sg	
23	MED	Troy Puar Hai Kiat	Dr Troy Puar main area of interest is in endocrine / adrenal hypertension, particularly in primary aldosteronism which has been shown to affect 5-20% of all patients with hypertension, making it the most common and treatable form of hypertension. In about half of these patients, it is also potentially curable. Through the support of an NMRC NIG grant, Singapore has been the first-in-Asia to perform 11C-metomidate PET-CT scans to identify these patients with curable hypertension, and he hopes that a larger study will be able to demonstrate that this non-invasive test can replace the current reference method of adrenal vein sampling which is invasive and technically-difficult. He has previously mentored several residents and medical students in their research projects.	troy.puar.h.k@singhealth.com.sg	
24	ONCO	Darren Lim Wan Teck	Research focus: Clinical trials in nasopharyngeal carcinoma and lung cancer, incorporating correlative studies into studying the biology of resistance and immune response, and the development of circulating biomarkers of response and toxicity	darren.lim.w.t@singhealth.com.sg	
25	ONCO	Melvin Chua Lee Kiang	Specialty is in head and neck and prostate cancers. The lab focuses on the following key areas: 1) clinical trials; 2) biomarkers for prognosis and drug response, including genomics; 3) big data usage for precision oncology strategies – prediction of risk and treatment response.	melvin.chua.l.k@singhealth.com.sg	
26	ONCO	Toh Han Chong	Medical oncologist by training, with an extensive research track record. Main research interest would be in cancer immunotherapy and is a regional pioneer in establishing structured cancer immunotherapy programme .  Other research interests include: 1. translational research and clinical trials in both liver cancer and colorectal cancer 2. Biomarker discovery	toh.han.chong@singhealth.com.sg	
27	ONCO	A/Prof Daniel Tan Shao Weng	Medical Oncology, Phase I trials. Exploring new concepts in drug discovery, designing combinations and clinical trials to accelerate drug development process in oncology - both for targeted and immunotherapies. Rational application of next generation omics approaches to unravel drug resistance in cancer therapeutics as well as implementing new technologies in the clinic.	daniel.tan.s.w@singhealth.com.sg	
28	ONCO	A/Prof Yap Yoon Sim	Medical oncologist by training with sub-specialty in breast. Research focuses primarily on clinical and translational research in breast cancer, including liquid biopsies and predictive biomarkers, development of novel therapeutic strategies, and epidemiologic studies on treatment outcomes in breast cancer. Principal investigator of several phase 1 to 3 clinical trials for various compounds such as CDK inhibitors, PI3K and mTOR inhibitors, selective estrogen receptor degraders, HER2-targeting agents and immunotherapy, in addition to investigator-initiated studies.	yap.yoon.sim@singhealth.com.sg	
29	ONCO	Prof Teh Bin Tean	His laboratory focuses on cancer translational studies investigating genomic and epigenomic alterations and their related molecular mechanisms in Asian prevalent cancers. Based on these findings, they hope to identify effective therapeutic agents and their companion biomarkers.	gmstbt@nus.edu.sg	

30	ORH	Marco Peres	<p>Prof Marco Peres is a dentist with a PhD in Epidemiology from the University of Sao Paulo, Brazil and University College London. Currently, he is a Senior Principal Investigator at the National Dental Research Institute Singapore, National Dental Centre Singapore and Director and Professor of Academic Clinical Programme (ACP) Oral Health, Health Services and Systems Research (HSSR) Programme, Duke-NUS Medical School, Singapore. Prof Marco has supervised 40 postgraduate students, authored three books, 15 book chapters and more than 250 peer-reviewed papers. His work has received more than 17,000 citations, and H index of 78.</p> <p>His research focus areas are health services research, oral health surveillance, use of fluorides, inequalities in oral health, life course epidemiology and the relationship between oral health and general health.</p>	marco.a.d.a.peres@ndcs.com.sg	
31	ORH	Goh Bee Tin	<p>A/Prof Goh obtained her PhD from Radboud University Nijmegen, the Netherlands for her novel research work on modular endoprosthesis for mandibular reconstruction. Her expertise includes pre-clinical animal models and clinical trials. Highlights of her translational research work include the co-development and commercialisation of a bioresorbable polymer dental plug for ridge preservation, development of a modular endoprosthesis for mandibular reconstruction, of which patent has been filed in 6 different countries, and the development of a painless dental anaesthesia device using a combination of microneedle arrays and iontophoresis. A/Prof Goh was recently awarded the IAF-ICP grant for research on bioactive and bioresorbable scaffolds for oral-maxillofacial bone regeneration with A*STAR institutions and industry partners.</p> <p>Her research focus areas are bone tissue engineering and novel devices for mandibular reconstruction.</p>	gmsgohbt@nus.edu.sg	
32	ORH	Karen Peres	<p>A/Prof Karen Peres is a dentist with a PhD in Epidemiology. Karen is an internationally recognised researcher in the field of Child Oral Health and Oral Epidemiology. She has been involved in an international collaborative work on the effects of breastfeeding on several children's health outcomes which findings were spread worldwide. She has supervised more than 30 Masters and PhD students and authored fourteen book chapters and 147 peer-reviewed papers. Her work has received 9,490 citations with an H index of 53.</p> <p>Her research areas of interest include child oral health epidemiology, inequalities in general and oral health, life course epidemiology, oral health surveillance, the relationship between oral health and general health, and the assessment of the effectiveness of oral health programs for children. She is also keen to be involved in research that includes the oral health quality of life component of children and parents that allows interpreting the intergenerational approach.</p>	karen.g.d.a.peres@ndcs.com.sg	
33	ORH	Yu Na	<p>Asst Prof Yu Na is a Senior Dental Surgeon at National Dental Centre Singapore and Assistant Professor at the DUKE-NUS Medical School. Trained as a dentist and prosthodontist, she subsequently obtained her PhD in medical science at the faculty of dentistry from Radboud University Nijmegen. Asst Prof Yu Na is the first dentist in Singapore who has won the national Clinician-Scientist Transition Award.</p> <p>Much of her research work is focused on the development of novel biomaterials for dental application, clinical workflow improvement solutions, digital RPD and dentures, regenerative dentistry and pathogenesis of periodontitis.</p>	gmsyuna@nus.edu.sg	
34	ORH	Hemant Unadkat	<p>Asst Prof Hemant Unadkat is an Assistant Professor with Duke-NUS Medical School, Clinician Scientist and Principal Investigator with National Dental Centre and Lecturer in Endodontics at Faculty of Dentistry, National University of Singapore. His laboratory is dedicated to harnessing miniaturization tools from the world of biomaterials engineering to impact oral health. He is exploiting micro- and nanotechnologies to modulate living and synthetic systems in order to improve craniofacial tissue regeneration and disease modelling.</p> <p>His research program emphasizes a holistic approach aimed at both discovery and application, intended at combining high throughput technologies, cell biology and artificial intelligence to streamline the wealth of biological knowledge for real clinical applications. His long-term goal is to impinge and improve upon craniofacial tissue engineering for better oral health.</p>	hemant@duke-nus.edu.sg	
35	PAEDS	Derrick Chan Wei Shih	<p>A/Prof Derrick Chan is a paediatric neurologist and epileptologist at KKH who set up and runs the comprehensive epilepsy programme. His research interests are paediatric epilepsy, in which he has set up the Paediatric Autoimmune Epilepsy, Demyelination &amp; Encephalitis Study (PAEDES), conducts and publishes in translational research on the role of inflammation in the pathogenesis of epilepsy in close collaboration with SingHealth Duke-NUS Translational Immunology Institute. He also works in Medical Technology and clinical innovation and has several grants funding computer vision in seizure detection and pharmacogenomics of anticonvulsant hypersensitivity.</p>	derrick.chan.w.s@singhealth.com.sg	
36	PAEDS	Saumya Shekhar Jamuar	<p>Dr Saumya Jamuar is a clinical geneticist at KKH and is the lead PI of the Singapore Undiagnosed Disease Programme. His research interests include rare diseases (diagnostics and therapeutics), neurodevelopmental disorders and Precision Medicine.</p>	saumyashekhar.jamuar@duke-nus.edu.sg	
37	PAEDS	Yeo Joo Guan	<p>Dr Yeo Joo Guan is a Senior Consultant in Paediatric Medicine at KKH. He obtained his Ph.D. from the Department of Microbiology and Immunology Programme in National University of Singapore. His research interests include elucidating the role of regulatory B-cells in the pathogenesis of childhood onset systemic lupus erythematosus and translational immunology research to identify novel therapeutic targets that may decrease the side effects of current immunosuppressive agents used in treatment of autoimmune diseases.</p>	yeo.joo.guan@singhealth.com.sg	

38	PAEDS	Salvatore Albani	Prof Salvatore Albani is the Director of the Translational Immunology Institute at SingHealth Duke-NUS Academic Medical Centre and Senior Clinical Scientist at KKH. His field of research is to understand and manipulate human immunity to ultimately and tangibly improve health by looking at the architecture of the Immune System and its therapeutic manipulation by evolving from fragmentation to a continuum gradient balanced on homeostasis and tilted by perturbations such as disease or even conventional therapy. His research group has developed Artificial Intelligence (AI) tools to distill mechanistically and clinically relevant knowledge from the interfaces among these high complexity datasets and the clinical data. By leveraging on this platform, validated predictive modelling is developed. This platform enables fundamental progress in several translationally relevant, first in class scientific contributions, which span across disease areas ranging from Autoimmunity to Cancer. Combined, the platform advances Science by looking holistically and with high dimensionality at mechanisms of immune imbalances, thus leading to the identification of novel immune therapeutic targets which his research group is developing for restoration of immune homeostasis.	salvo@duke-nus.edu.sg	
39	PATH	Jabed Iqbal	Research interest: Study on the interactions between immune response biomarkers and tumor hypoxia-induced proteins and related pathways regulating the effects of immune response in cancer. His field of interest is triple negative breast cancer and leukemic diseases. He has also interest in histologic effects of human COVID-19 infection as well as immunoprofiling.	jabed.iqbal@singhealth.com.sg	
40	PATH	Kenneth Chang	Research Interest: Pathology and molecular diagnostics of childhood cancers, BCOR-mutated sarcomas, placental pathology	kenneth.chang.t.e@singhealth.com.sg	Please contact mentor for non-scientific mentorship
41	PATH	Tony Lim	Dr Tony Lim's research interests revolve around translational research and the use of latest technologies in the field of molecular genetics and various omics platforms to characterise poorly understood diseases, especially those with higher prevalence among Asians. The aim of this is to develop advanced diagnostic capabilities which can guide therapy. In particular, he is interested in the study of gastrointestinal and liver pathology, biliary tract diseases like pancreatobiliary cancers and lung cancer.	lim.kiat.hon@singhealth.com.sg	
42	PATH	Prof Tan Puay Hoon	Prof Tan's research interest in breast pathology centre around the classification of breast fibroepithelial lesions and their molecular pathogenesis, triple negative breast cancers, and ductal carcinoma in situ. In urologic pathology, she is engaged in prostate and renal cancer studies and is a contributor to the 2016 WHO Classification of Tumours of the Urinary System and Male Genital Organs.	tan.puay.hoon@singhealth.com.sg	
43	RADSC	Chan Ling Ling	Dr Chan is a senior consultant neuroradiologist with the Department of Diagnostic Radiology and Associate Professor at Duke-NUS. She completed Neuroradiology fellowship at The Baylor College of Medicine and University of Texas MD Anderson Cancer Center, Houston, Texas.  She works closely with the RADSC team to support clinical service, and has been instrumental in translating novel and cutting-edge advanced neuroimaging techniques into clinical service to address clinical problems. Dr Chan is the Department's Director of Research, a clinician scientist awardee, PI and collaborator of multiple national grants, and leads a neuroimaging research lab using morphometry, DTI/DKI, QSM, NMS, MWI, rsfMRI and AI in neurological diseases.  She is active in teaching, having mentored many residents, fellows, students and research staff from Radiology, the YLL, LKC and Duke-NUS schools of Medicine for more than a decade. Many of her students have won scientific awards at local and international meetings. She serves on the MOH research accreditation panel and editorial board of Annals, Academy of Medicine, Singapore; and was the Honorary Secretary, Singapore Radiological Society and current Treasurer of its Neuroradiology Subsection.	lingling.chan@duke-nus.edu.sg	
44	SURG	Lim Chwee Ming	Dr Lim's main research focus is on immunology and immunotherapy in head and neck cancer. He runs a lab working on understanding the tumor immune microenvironment (especially in tumour infiltrating lymphocytes), and developing novel immunotherapies in virally driven head and neck cancer. His other areas of research include robotic and medical device research in optimizing surgical and post treatment care for head and neck cancer patients, as well as in using AI and data mining to aid in design of new treatment modalities for patients. He has published more than 90 papers, 7 book chapters and currently holds 5 existing national grants as a Principal Investigator or Co-Investigator to fund his research.	lim.chwee.ming@singhealth.com.sg	

45	SURG	Tay Kae Jack	<p>Dr. Tay is a Director of Urologic Oncology and Consultant Urologist at the Singapore General Hospital. He completed his urology residency at the Singapore General Hospital and his fellowship at Duke University, North Carolina, USA. Dr. Tay's clinical practice includes focal therapy for prostate cancer, robotic pelvic surgery, complex resections of genitourinary (GU) cancers in the pelvis and retroperitoneum, and metastatic prostate cancer. He is an Assistant Professor at the Duke-NUS Medical School and is the Principal Investigator for a Phase II trial of Focal Cryotherapy for Prostate Cancer. He currently holds a National Medical Research Council grant for risk stratification, advanced imaging, biopsy, active surveillance, and focal cryotherapy of prostate cancer.</p> <p>Dr. Tay has written more than 70 publications on the topic of urologic cancer. He collaborates on several international multicenter projects including the Cryo On-Line Data (COLD) registry and the Shared Equal Access Regional Cancer Hospital (SEARCH) database. Dr. Tay has participated in several international expert consensus on prostate focal therapy including the International Consultation of Urological Diseases (ICUD) consensus on follow-up surveillance after prostate focal therapy and an international consensus on Patient Selection for Prostate Focal Therapy.</p> <p>Dr. Tay is a Board Member for the Focal Therapy Society and is presently the chairman of its Website and Social Media Committee. He aims to develop better risk stratification methods for localized and metastatic prostate cancer and a modern approach to precision medicine in prostate cancer.</p> <p>Specific research interest areas: imaging, image-guided therapy, image-recognition, machine-learning, development of prognostic signatures</p>	gmstkj@nus.edu.sg	
46	SURG/ONCO	Pierce Chow	<p>Prof Chow leads the Program in Clinical and Translational Liver Research at the National Cancer Center Centre and is Protocol Chair of the Asia-Pacific Hepatocellular Carcinoma Trials Group. His research interests are in hepatocellular carcinoma, steato-hepatitis and novel therapeutic platforms.</p> <ol style="list-style-type: none"> <li>1. Clinical Trials and outcomes research in hepato-pancreato-biliary cancers</li> <li>2. The genomics and immunology of hepatocellular carcinoma and applications to personalized medicine</li> <li>3. Brachytherapy and novel delivery platforms in solid organ cancers.</li> <li>4. Patient tumour-explant xenografts and novel models in experimental oncology.</li> <li>5. Metabolic liver disease and the microbiome</li> </ol> <p>Prof Chow is a surgeon scientist and the Principal Investigator of a multi-institution and multi-omics discovery platform (NMRC TCR National Flagship Program in Liver Cancer, PLANet) that investigates intra- tumoral heterogeneity in genomics, epigenomics, immunomics and metabolomics in Hepatocellular Carcinoma (HCC) and correlate these omics layers to clinical trajectories. The longitudinal nature of this study allows prospective monitoring of clinical trajectories and proof-of- principle analyses of putative key molecular pathways driving recurrence. In parallel, patient- derived progenitor cells and xenografts are created from the same tumor sectors for preclinical experimental purposes.</p>	pierce.chow@duke-nus.edu.sg	