

CoSTAR-HS: Governance and Administration

The central administrative and corresponding site for CoSTAR-HS is NUHS. The Executive Committee currently comprises:

NUHS	SGH	CDC
A/Prof Hsu Li Yang	A/Prof Andrea Kwa	Dr Ng Oon Tek
A/Prof Helena Legido-Quigley	Dr Lim Tze Peng	Dr Kalisvar Marimuthu

Centre Grant Manager: Ms Quake Ai Li (NUHS)

Centre Grant Executive: Ms Zunairah Binti Lukman (NUHS)

INVESTIGATORS

NATIONAL UNIVERSITY HEALTH SYSTEM (NUHS)



A/Prof *Hsu Li Yang*
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A/Prof Hsu specializes in infectious diseases and is a practicing clinician. He currently heads both the Antimicrobial Resistance Programme and Programme of Research on Tuberculosis Control in Cambodia at SSHSPH, and is the Director of the Singapore Infectious Diseases Initiative (SIDI). A/Prof Hsu Li Yang was also the Founding Director of the Centre for Infectious Disease Epidemiology and Research (CIDER).



A/Prof *Helena Legido-Quigley*
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A/Prof Legido-Quigley has taught in the areas of health policy, healthcare and public health, and conducted research on the impact of austerity measures on healthcare, integration of services, patient trust in chronic diseases, and response of healthcare systems to AIDS and tuberculosis (TB).



A/Prof Joanne Yoong
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A/Prof Yoong is an Associate Professor at the National University of Singapore's Saw Swee Hock School of Public Health, Director of the Centre for Health Services and Policy Research at the National University Hospital System, Senior Economist at the University of Southern California's Center for Economic and Social Research (CESR), and Director of CESR's US East Coast office. A/Prof Yoong is an applied micro-economist conducting research on behavioural economics, health and financial decision making, and economic development, particularly in Africa, South Asia and vulnerable populations in the US. She serves as a member of the Expert Roster for the 3ie International Initiative on Impact Evaluation, and is the lead author of a Toolkit for the Evaluation of Financial Capability Programs in Low and Middle Income Countries recently published by the World Bank.



Dr Clarence Tam
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Dr Tam is an infectious disease epidemiologist. His research group conducts studies to understand the burden and transmission of infectious agents, including influenza and other respiratory pathogens, MRSA, dengue, and foodborne pathogens, as well as behavioural research to understand public and stakeholder knowledge, attitudes and practices surrounding antimicrobial resistance, and factors related to vaccination choices.



A/Prof Alex Cook
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A/Prof Cook is a statistician and modeler who leads the modeling team in the Biostatistics and Modeling Domain at SSHSPH. He works primarily on infectious diseases including influenza, dengue, tuberculosis and hand, foot, and mouth disease. He has a long history of collaborating with government agencies, including the Ministry of Health, the Ministry of Defence, and the National Environment Agency, as well as hospitals around Singapore.



Dr *Ong* Twee Hee Rick
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Dr Ong is a bioinformatician and population geneticist whose research primarily focuses on the analysis of genomic data obtained from high throughput sequencing technologies of humans and infectious disease pathogens to understand the population genetics and consequences of genomic diversity. He currently leads the Pathogen Genomics research at SSHSPH.



Dr Jeanette *Teo*
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After her postdoctoral stint at the Novartis Institute of Tropical Diseases, Dr Teo joined the National University Hospital, Singapore, in 2005 where she has been working since as a scientific officer. She is most involved in the development of molecular diagnostic and identification assays for microorganisms and evaluation of novel technologies for clinical microbiology.

SINGAPORE GENERAL HOSPITAL (SGH)



A/Prof Andrea *Kwa*
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A/Prof Kwa is currently a Pharmacy Clinician Scientist in Singapore General Hospital, and also a faculty with Duke-NUS Dept of Emerging Infectious Diseases and Dept of Pharmacy at Faculty of Science, NUS. She specializes in critical care medicine, infectious diseases and antimicrobial resistance research, specifically in vitro, population PKPD studies, molecular diagnostics in anti-fungal and antibacterial resistance, epidemiology/outcomes studies, and health services research involving antimicrobial stewardship. To-date, she has authored more than 70 publications.

<https://www.duke-nus.edu.sg/content/kwa-andrea-lay-hoon>



Dr *Lim* Tze Peng

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Dr Lim is a researcher senior pharmacist. His research interests focus on finding effective ways to tackle the growing problem of antimicrobial resistance amongst nosocomial infections. His recent work has entailed the evaluation of useful antibiotic combinations against extreme-drug resistant and pan drug-resistant *Acinetobacter baumannii* and *Pseudomonas aeruginosa* using novel in-vitro infection models. His recent research evaluated a novel method that utilizes a biomarker (ATP) to increase the turnaround time in identifying multiple useful antibiotic combinations against resistant organisms.



A/Prof *Koh* Tse Hsien

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A/Prof Koh is a senior consultant microbiologist at Singapore General Hospital. In 2006, he did a research fellowship at the Toho University Medical School in Tokyo to study the characterization of beta-lactamases. In 2008 he did an attachment at Leiden University Medical Centre to study the molecular epidemiology of *Acinetobacter* spp. His research interests are in the molecular epidemiology of bacterial pathogens and resistance determinants of multidrug resistant bacteria. A/Prof Koh is a Fellow of the Royal College of Pathologists in the UK and Australia, and a Diplomate of the American Board of Medical Microbiology.



A/Prof *Tan* Thuan Tong

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A/Prof Tan is a senior consultant and head of Department of Infectious Disease at Singapore General Hospital. He is also an Adjunct Associate Professor with the Duke-NUS Graduate Medical School and clinical lecturer with NUS-Yong Loo Lin School of Medicine.



Dr Indumathi *Venkatachalam*

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Dr Indumathi Venkatachalam is an Infectious Diseases physician at Singapore General Hospital. She has an interest in the surveillance epidemiology of infectious diseases with a focus on the prevention and control of healthcare associated infections. Her main research is in the epidemiology of carbapenem resistant enterobacteriaceae where she hopes to bridge existing gaps between basic science, healthcare epidemiology, clinical medicine and health policy.



Dr Winnie *Lee*

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Dr Lee is a Specialist Pharmacist in SGH, helping in the management of critically ill patients in the Surgical ICU. She works closely with fellow colleagues and doctors in research and has obtained numerous grants for the research work. Besides research, Dr Lee is also actively involved in training pharmacy residents, nurses and PharmD students in her area of practice. In addition, she is also in a working committee that looks into antibiotic use in SGH and updating of hospital's antibiotic guidelines. She is also a workgroup member of the National Taskforce for Antimicrobial Stewardship, Ministry of Health.



Dr Maciej Piotr *Chlebicki*

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Dr Chlebicki is a senior consultant in the Department of Infectious Diseases of the Singapore General Hospital. After graduation from the Medical Academy of Warsaw, Poland, he completed residency in Internal Medicine in USA and then specialized in Infectious Diseases in Singapore. In addition to his busy clinical practice, he is also in charge of the Antibiotic Stewardship Program in Singapore General Hospital. He participates in research projects investigating prevention and therapy of infections caused by multi-drug resistant bacteria. He also participates in undergraduate and postgraduate teaching in the Singapore General Hospital.



Dr October *Sessions*

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Dr. Sessions is an Assistant Professor in the Emerging Infectious Diseases Program at Duke-NUS Medical School. He has a particular interest in the mechanisms of pathogenesis. His laboratory frequently utilizes high-throughput sequencing and more traditional molecular genetics and microbiological techniques to elucidate the mechanisms of pathogenesis.

COMMUNICABLE DISEASES CENTRE (CDC)



Dr *Ng Oon Tek*

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Dr Ng has an interest in research integrating public health, laboratory and clinical medicine to improve patient outcomes, especially in leveraging on whole-genome sequencing information to prevent extensively-drug resistant Gram-negative infections. His other research areas include HIV molecular epidemiology and emerging infectious diseases.



Dr Kalisvar *Marimuthu*

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Dr. Marimuthu is currently a consultant in Infectious Diseases at Tan Tock Seng Hospital. He holds an academic appointment at the National University of Singapore. He is a member of the National Infection Prevention and Control Committee of Singapore (NIPC). He is actively involved in the planning of the national strategy for control of carbapenem-resistant Enterobacteriaceae (CRE) in Singapore. He is also a member of the expert advisory panel for the World Health Organisation's (WHO) CRE guideline. His main research interest is in healthcare epidemiology, specifically in the application of next-generation sequencing for control of multidrug-resistant Gram-negative organisms.



A/Prof David Lye

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A/Prof Lye is currently senior consultant at Institute of Infectious Diseases and Epidemiology (IIDE), Communicable Disease Centre, and Department of Infectious Diseases, Tan Tock Seng Hospital. At IIDE, he oversees the training and education unit, and is currently chair of National Antimicrobial Stewardship Expert Panel and a member of National Antimicrobial Resistance Control Committee, Ministry of Health. He is co-principal investigator of the STOP-dengue translational clinical research program and is the lead for Singapore Infectious Diseases Clinical Research Network (SCRN). His research interests are adult dengue, antimicrobial pharmacotherapy, stewardship and resistance. His professional leadership roles include censor of the Academy of Medicine and vice-president of the College of Physicians. Additionally he is the President of Society of Infectious Disease (Singapore) and a member of the executive committee of Action for AIDS.

<https://www.ttsh.com.sg/patient-guide/find-care/specialists/page.aspx?spid=190>



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Dr Vasoo is an Associate Consultant in the Department of Infectious Diseases at the Institute of Infectious Diseases and Epidemiology, Tan Tock Seng Hospital. He graduated from the National University of Singapore in 2001, and subsequently completed an Internal Medicine residency and Infectious Diseases fellowship at Rush University Medical Centre in Chicago, Illinois, with further subspecialty training in Clinical Microbiology and Orthopedic Infectious Diseases at the Mayo Clinic in Rochester, Minnesota. He serves on the Editorial Board of the Journal of Clinical Microbiology and his research interests include rapid diagnostics, antimicrobial resistance and device-related infections.