



Academic Medicine
Research Institute
SingHealth Duke-NUS

RESEARCH GRAND ROUNDS

The Role of Human Gut Microbiome in Advancing Human Health: Early Detection of HCC in Chronic Liver Disease

There is a worldwide increase in the prevalence of metabolic liver disease. The biology and clinical trajectories of metabolic liver diseases and cancer remain unclear but emerging data have shown the human gut microbiome to play a crucial role in maintaining human health.

The ELEGANCE study is a prospective cohort of 2,000 at-risk patients enrolled from 6 hospitals and 8 polyclinics in Singapore and followed up for 3 years which aims to identify biomarkers to diagnose hepatocellular carcinoma (HCC) at an early stage. Join Prof Pierce Chow and Assoc Prof Jeremy Lim as they discuss the preliminary findings of the ELEGANCE study and the next steps moving forward.

Wednesday, 17 May 2023
12:30pm to 1:30pm
via Zoom Webinar



CME and CPE points
may be awarded.

Register for free now at
<https://shoor.qrd.by/RGR17May2023>

Speakers



Prof Pierce Chow Kah Hoe

*Professor and Program Director, Duke-NUS Medical School
Senior Consultant, Department of Hepato-pancreato-biliary and Transplant Surgery, Division of Surgery and Surgical Oncology, Singapore General Hospital (SGH) and National Cancer Centre Singapore (NCCS)*

- National Medical Research Council (NMRC) funded Senior Clinician-Scientist
- Led the multi-disciplinary NMRC Translational and Clinical Research (TCR) National Flagship Program in Liver Cancer since 2016 which has been successfully renewed in 2022 with the NMRC OF-LCG grant
- Awarded an A*STAR IAF-ICP grant in collaboration with industry, to conduct a nation-wide 2000-patient cohort study (ELEGANCE) to develop diagnostics for early detection of hepatocellular carcinoma (HCC) in 2020 and initiated a multi-national, investigator-initiated Phase II randomised clinical trial (STRATUM) in 2021



Assoc Prof Jeremy Lim Fung Yen

CEO and Co-Founder, Asian Microbiome Library (AMiLi)

- Director of global health in the National University of Singapore's Saw Swee Hock School of Public Health
- Serves on the boards of various for-profit and not-for-profit organizations in different aspects of healthcare including migrant worker health, end of life care and digital health interventions
- Trained in surgery and public health, attaining post-graduate qualifications in both from the UK and US

Facilitator



Prof Sven Pettersson

*Director, ASEAN Microbiome Nutrition Centre (AMNC), SingHealth
Principal Investigator, National Neuroscience Institute (NNI), SingHealth
Adjunct Professor, National University of Singapore (NUS)*

- Research focus is on mechanistic studies aiming to identify signaling pathways and microbial metabolites that regulate brain function relevant to neurodegenerative diseases including Parkinson disease
- An internationally highly respected scientist who has received numerous awards and known for his work on gut microbe – host interactions
- The ASEAN Microbiome Nutrition Centre (AMNC) was formed in 2022 with support from NNI, Singapore, Sunway University, Malaysia and UK Dementia group

Organised by
SingHealth Office of Research