



# SGH 25th Annual Scientific Meeting 2024

## Thinking Local To Go Global

Creativity in Patient Care, Education and Research

12 - 13 April 2024 | Academia

### Programme

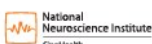
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Reference:  
1. Heilmann et al. SARS-CoV-2 3CLpro mutations confer resistance to Paxlovid (nirmatrelvir/ritonavir) in a VSV-based, non-gain-of-function system. July 4, 2022. <https://doi.org/10.1101/2022.07.02.495455>

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## WELCOME ADDRESS

Dear Friends and Colleagues

Welcome to the Singapore General Hospital 25th Annual Scientific Meeting!

In partnership with Duke-NUS medical school, the organizing committee continues the tradition of showcasing education, research and innovation efforts across the SGH campus. With the world now inextricably interconnected and global migration changing the face of our patient population, this year's theme "Thinking Local To Go Global: Creativity in Patient Care, Education and Research" highlights efforts to leverage our new norm and potentially address global needs and challenges.

I hope the programme of curated keynote lectures, themed sessions and presentations by local and international speakers will expand and challenge our collective mindset.

Your contribution to lively and inspiring academic discourse at the ASM in April 2024 is greatly anticipated!

### **Dr Khor Li Yan**

Organising Chairperson  
SGH 25th Annual Scientific Meeting 2024

Senior Consultant  
Department of Anatomical Pathology  
Singapore General Hospital

### **Prof Wang Hongyan**

Co-organising Chairperson  
SGH 25th Annual Scientific Meeting 2024

Deputy Programme Director  
Neuroscience and Behavioral Disorders (NBD)  
Programme  
Duke-NUS Medical School



ORGANISING COMMITTEE

Organising Chairperson

Dr Khor Li Yan

Co-Chairperson

Prof Wang Hongyan

Members

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Dr Kenon Chua Ser  
Assoc Prof Calvin Chin Woon Loong  
Assoc Prof Melvin Chua Lee Kiang  
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Ms Venus Chew  
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Ms Grace Ang

Communications Department

Ms Candice Lee  
Ms Claudia Yeo

PROGRAMME

Friday, 12 April 2024	
<a href="#">0745 – 0815, Academia Foyer</a> <b>REGISTRATION</b>	
<a href="#">0815 – 0845, NAK Auditorium</a> <b>OPENING CEREMONY</b> <b>Welcome Address</b> Dr Khor Li Yan, Organising Chairperson, SGH 25 <sup>th</sup> ASM <b>Address by Guest-of-Honour</b> Dr Janil Puthucheary, Senior Minister of State (Health) <b>Launch of SingHealth Duke-NUS Pain Management Centre</b>	
<a href="#">0845 – 0930, NAK Auditorium</a> <b>PLENARY LECTURE 1</b> <b>Cancer Diagnostics in Africa: Leapfrog Technology and Volunteers Transform Care</b> Dr Blair Holladay Chief Executive Officer American Society for Clinical Pathology, USA  Chairperson: Dr Khor Li Yan Senior Consultant, Dept of Anatomical Pathology, SGH	
<a href="#">0930 – 1000, Academia Foyer</a> <b>TEA RECEPTION / TRADE EXHIBITION</b>	
<a href="#">1000 – 1045, NAK Auditorium</a> <b>PLENARY LECTURE 2</b> <b>From Basic Science to Clinical Trials: Developing a WNT Pathway Inhibitor in Singapore</b> Professor David Virshup Professor and Director Programme in Cancer and Stem Cell Biology, Duke-NUS Medical School  Chairperson: Professor Wang Hongyan Deputy Programme Director, Neuroscience and Behavioral Disorders Programme, Duke-NUS Medical School	
<a href="#">1045 – 1215, NAK Auditorium</a> <b>SYMPOSIUM 1</b> <b>Building From The Bench</b> <b>(Model Systems to Understand Disease Mechanisms)</b>  Chairpersons: Professor Wang Hongyan Deputy Programme Director, Neuroscience and Behavioral Disorders Programme, Duke-NUS Medical School  Associate Professor Calvin Chin Senior Consultant, Dept of Cardiology, NHCS  <b>Impaired Synaptic Vesicle Recycling in Parkinson’s Disease</b> <i>Assistant Professor Cao Mian</i> <i>Neuroscience and Behavioural Disorders Programme, Duke-NUS Medical School</i>  <b>Deaf1 Regulates Muscle Regeneration Through Autophagy</b> <i>Assistant Professor Tang Hong-Wen</i> <i>Cancer and Stem Cell Biology Programme, Duke-NUS Medical School</i>  <b>Metabolic Regulation by Microproteins</b> <i>Assistant Professor Lena Ho</i> <i>Cardiovascular and Metabolic Disorders Programme, Duke-NUS Medical School</i>	<a href="#">1045 – 1215, L1S3</a> <b>SYMPOSIUM 2</b> <b>Bespoke Healthcare</b> <b>(Efforts to Tailor the Healthcare Journey for Patients)</b>  Chairpersons: Dr Khor Li Yan Senior Consultant, Dept of Anatomical Pathology, SGH  Dr Nicole Keong Senior Consultant, Dept of Neurosurgery, NNI  <b>Multi-Cancer Early Detection (MCED) Blood Testing for Cancer Screening in Asia</b> <i>Dr Tan Min-Han</i> <i>Founding Chief Executive Officer and Medical Director, Lucence Health Inc.</i>  <b>Immunopathological Signature: Integrating AI, Advancing Cancer Screening, and Refining Precision Medicine</b> <i>Dr Joe Yeong</i> <i>Group Leader, Institute of Molecular and Cell Biology, A*STAR</i> <i>Dept of Anatomical Pathology, SGH</i>  <b>Clinical 3D Printing for Patient Care at the SGH 3D Printing Centre: Value Proposition, Applications, Outcomes</b> <i>Dr Mark Tan Bangwei</i> <i>Consultant, Dept of Neuroradiology</i> <i>Clinical Lead, 3D Printing Centre, SGH</i>



PROGRAMME				
1215 – 1315, Academia Foyer LUNCH		1215 – 1300, Academia Foyer POSTER JUDGING		1245 – 1315, Academia Foyer LUNCH SYMPOSIUM (SPONSORED BY PFIZER) Long COVID: Understand the Impact on High-Risk Patients Dr Ian Wee Consultant, Dept of Infectious Diseases, SGH
1315 – 1445, NAK Auditorium SYMPOSIUM 3 Becoming Skilled (Creative Methods for Training / Education Delivery)  Chairpersons: Ms Fazila Binte Abu Bakar Aloweni Senior Nurse Manager, DNA - Patient Care Services & Prof Affairs Admin, SGH  Ms Tan Weiling Radiographer, Dept of Radiography, SGH  Dr Chelsia Sim Senior Consultant, Dept of Oral & Maxillofacial Surgery, NDCS  A Skillful Workforce: With Help from an External Force Adjunct Associate Professor Sabrina Koh Deputy Director, Nursing Education & Development, SKGH  Charting Creative Learning Pathways: Enhancing Faculty Development for Healthcare Professionals Ms Robyn Foo Sue Zhi Principal Speech Therapist, Speech Therapy Dept, SGH  Becoming Skilled in Education – How I Learnt by Failing Forward Associate Professor Kevin Tan Director (Education) & Senior Consultant, Dept of Neurology, NNI		1315 – 1445, L1S3 SYMPOSIUM 4 Beyond The Lab (Translational Efforts and Clinical Applications)  Chairpersons: Associate Professor Liu Yu-Chi Clinician Scientist, Corneal & External Eye Disease Dept, SNEC  Adjunct Associate Professor Johnson Fam Head & Senior Consultant, Dept of Psychiatry, SGH  Translating Genetic Discoveries in Neurodegenerative Diseases Professor Tan Eng King Deputy Chief Executive Officer (Academic Affairs), Office of Academic Affairs Senior Consultant, Dept of Neurology, NNI  Everything, Everywhere, All at Once - Navigating Being the Lone Research Ranger Professor N Gopalakrishna Iyer Head & Senior Consultant, Dept of Head & Neck Surgery, SGH and NCCS Head, Division of Medical Sciences, NCCS Professor, Duke-NUS Medical School  Using Metformin to Biochemically Enhance Vaccine Immunogenicity in Type 2 Diabetes Mellitus Professor Jenny Low Senior Consultant, Dept of Infectious Diseases, SGH		
1445 – 1500, Academia Foyer BREAK / TRADE EXHIBITION				
1500 - 1600 YOUNG INVESTIGATOR’S AWARD				
Nursing  Auditorium	Health Services Research  L1-S1	Clinical Research  L1-S2	Basic / Translational Research  L1-S3	Allied Health  L1-S4
1600 - 1700 OUTSTANDING RESEARCH AWARD				
Nursing  Auditorium	Health Services Research  L1-S1	Clinical Research  L1-S2	Basic / Translational Research  L1-S3	Allied Health  L1-S4
END				

PROGRAMME	
Saturday, 13 April 2024	
0800 – 0830, Academia Foyer <b>REGISTRATION</b>	
0830 – 0915, NAK Auditorium <b>PLENARY LECTURE 3</b> <b>Forging a WIN-WIN strategy - The Synergies Between Global Health Initiatives and our AMC</b> Associate Professor Tan Hiang Khoon Director, SingHealth Duke-NUS Global Health Institute Group Director, International Collaboration Office, SingHealth Deputy CEO (Future Health System), SGH  Chairperson: Dr Kenon Chua Associate Consultant, Dept of Orthopaedic Surgery, SGH	
0915 – 1000, NAK Auditorium <b>PLENARY LECTURE 4</b> <b>Neurogenetic and Rare Neurodegenerative Disorders: Clinical and Translational Updates</b> Associate Professor Adeline Ng Deputy Head & Director, Research, SingHealth Duke-NUS Centre of Memory and Cognitive Disorders Head, Dementia Programme and Senior Consultant, Dept of Neurology, NNI  Chairperson: Dr Nicole Keong Senior Consultant, Dept of Neurosurgery, NNI	
1000 – 1030, Academia Foyer <b>BREAK / TRADE EXHIBITION</b>	
1030 – 1200, NAK Auditorium <b>SYMPOSIUM 5</b> <b>Befriending the Community</b> <b>(Healthcare Community Partnerships)</b>  Chairpersons: Dr Charmaine Tan Senior Staff Registrar, Dept of Post-Acute & Continuing Care, OCH  Dr Lim Jing Yi Family Physician, Dept of Family Medicine, OPC  <b>Community Partnership and Engagement - Perspectives from the Regional Health System</b> <i>Adjunct Associate Professor Eugene Shum</i> <i>Director, Community Partnership, SingHealth Office of Regional Health System, SingHealth</i> <i>Chief Community Development Officer, CGH</i>  <b>Cultivating Strategic Partnerships for a Win-Win Outcome</b> <i>Clinical Assistant Professor Lim Su-Fee</i> <i>Deputy Director, Nursing (APN), Speciality Nursing &amp; PHICO</i> <i>Community Nursing, SGH</i>  <b>‘Thank You for Including Us’: Research as Collaborative Care in the Community</b> <i>Dr Ad Maulod</i> <i>Senior Research Fellow, Centre for Ageing Research and Education, Duke-NUS Medical School</i>	1030 – 1200, L1S3 <b>SYMPOSIUM 6</b> <b>From Awareness to Empowerment</b> <b>(A Problem-Based Learning Discussion Presented by SingHealth Duke-NUS Pain Centre)</b>  <b>How Targeted Drug Delivery Therapy Helps in Cancer Pain Management</b>  <b>Problem Based Learning – The Management of A Pain Patient in the Community: Perspectives from A Multi-disciplinary Panel from the Polyclinic to Tertiary Care: Collaboration with Chronic Pain Management Service</b>  <b>Speakers:</b> <i>Dr Diana Chan</i> <i>Head &amp; Senior Consultant, Dept of Pain Medicine, SGH</i>  <i>Adjunct Assistant Professor Prit Anand Singh</i> <i>Senior Consultant, Anaesthesia &amp; Surgical Intensive Care, CGH</i>  <i>Dr Koh Kim Hwee</i> <i>Clinic Director and Consultant, SingHealth Polyclinics - Pasir Ris</i>  <i>Associate Professor Philip Cheong</i> <i>Senior Principal Physiotherapist, Dept of Physiotherapy, SGH</i>  <i>Ms Constance Png</i> <i>Senior Principal Clinical Psychologist, Dept of Clinical Psychology, CGH</i>
END	



## BIOGRAPHY OF SPEAKERS



### Plenary Speaker 1

#### Dr Blair Holladay

Chief Executive Officer

American Society for Clinical Pathology (ASCP)

Dr. Holladay has served as ASCP Chief Executive Officer since 2010, focusing on globalization initiatives for the medical laboratory community that include significant contributions to the President's Emergency Plan for AIDS

Relief (PEPFAR) funded through the Centers for Disease Control and Prevention; strategic partnerships in laboratory medicine; corporate reorganization and management activities; international outreach; health services research and delivery; and establishing the gold standard of certification for individuals domestically and internationally. ASCP has been funded for approximately \$100 million to support patient-centered care.

Dr. Holladay's scientific research focuses on cytopathology and molecular research, for which he's been funded as a Principal Investigator for 50 scientific research grants and 100 scientific corporate contracts. Dr. Holladay has also published research articles and is the primary author of several textbooks. He is an active scientific lecturer and has given over 200 national and international speeches.



### Plenary Speaker 2

#### Prof David Virshup

Professor & Director

Programme in Cancer and Stem Cell Biology

Duke-NUS Medical School

David Virshup, M.D., joined Duke-NUS in 2007 as a Professor and the inaugural Director of the Programme in Cancer and Stem Cell Biology. He holds a joint appointment as Professor of Pediatrics at Duke University. Dr. Virshup received his medical and research training at Johns Hopkins School of Medicine in Baltimore, Maryland, and established his first independent laboratory at the University of Utah. Following 17 years in Salt Lake City, in 2007 he was recruited by Pat Casey to join the newly established Duke-NUS Medical School.

Prof Virshup's laboratory currently has two major interests: Wnt signaling and circadian rhythms. His team's work in Wnt signaling led to Singapore's first home-grown drug, a small molecule inhibitor of Wnt secretion, ETC-159. Prof. Virshup has been elected to several honorific societies including the American Society for Clinical Investigation (ASCI) and the Association of American Physicians (AAP).

## BIOGRAPHY OF SPEAKERS



### Plenary Speaker 3

#### Assoc Prof Tan Hiang Khoon

Director, SingHealth Duke-NUS Global Health Institute

Group Director, International Collaboration Office, SingHealth

Deputy CEO (Future Health System), Singapore General Hospital

Associate Professor Tan Hiang Khoon is the Director of SingHealth Duke-NUS Global Health Institute, Group Director of SingHealth's International Collaboration Office, and Deputy CEO of Future Health Systems at Singapore General

Hospital (SGH). Dr. Tan specializes in complex head and neck cancers and has pioneered endoscopic and robotic head and neck surgery in Singapore.

Dr. Tan is a visionary clinician leader who excels at fostering strong collaborations and partnerships across multiple disciplines, professional groups and institutions. These include setting up the inaugural SingHealth Duke NUS head and Neck Center and the Division of Surgery and Surgical Oncology. He also established the Global Surgery Programme in Surgery ACP to address inequity in surgical care in LMIC within Asia. Amidst the recent pandemic, Dr. Tan spearheaded a multi-institutional team to establish a 3200 bed Community Care Facilities at Singapore Expo and D'Resort, preventing acute hospitals from being overwhelmed. A strong proponent of academic medicine, he co-authored more than a hundred publications in peer reviewed journals.



### Plenary Speaker 4

#### Assoc Prof Adeline Ng

Deputy Head & Director, Research

SingHealth Duke-NUS Centre of Memory & Cognitive Disorders

Head, Dementia Programme and Senior Consultant

Department of Neurology, National Neuroscience Institute

Assoc Prof Adeline Ng is a Senior Consultant Neurologist and Director, Special Projects, Office of Academic Affairs at the National Neuroscience Institute. She completed a fellowship at the Memory and Aging Centre, University of California San Francisco, on Young-Onset Dementias (YODs), and is head of the Dementia and Cognitive Neuroscience program at NNI, as well as deputy head of the SingHealth Duke NUS Memory and Cognitive Disorders Centre. Adeline is Principal Investigator of clinical dementia cohort studies as well as translational studies in the field of neurodegenerative diseases and neurogenetics, including being a recipient of the NMRC Clinician-Scientist Award.

## BIOGRAPHY OF SPEAKERS

### ***Symposium 1 - Building From The Bench*** **(Model Systems to Understand Disease Mechanisms)**



#### **Asst. Prof Cao Mian**

Assistant Professor  
Neuroscience and Behavioural Disorders Programme  
Duke-NUS Medical School

Dr Cao is an Assistant Professor in the Neuroscience and Behavioural Disorders programme at Duke-NUS Medical School since 2019. His research focuses on the functional relationship of several Parkinson's disease genes with the endocytic traffic of synaptic vesicles. He earned his PhD in Biochemistry from the Hong Kong University of Science and Technology in 2009, and subsequently joined Dr Pietro De Camilli's laboratory at Yale University/Howard Hughes Medical Institute as a Postdoctoral Associate in the Department of Cell Biology. He was then promoted to Associate Research Scientist in the Department of Neuroscience at Yale University in 2015.



#### **Asst. Prof Tang Hong-Wen**

Assistant Professor  
Cancer and Stem Cell Programme  
Duke-NUS Medical School

Dr. Tang Hong-Wen is an Assistant Professor in the Cancer and Stem Cell Program at Duke-NUS Medical School. He obtained his B.S. from National Tsing Hua University and received M.S. and Ph.D. from the Institute of Biochemistry at National Taiwan University. After mandatory military service, he accepted a position as a postdoctoral fellow in Dr. Norbert Perrimon's laboratory in the Department of Genetics at Harvard Medical School. He subsequently joined Duke-NUS Medical School as a Principal Investigator. His current research focuses on the muscle homeostasis and regeneration under pathological conditions. Dr. Tang's work has been published in several journals, such as Cell Metabolism, PNAS, and Nature Communications. He has been serving on the editorial board of multiple journals and was recently elected as a member in Sigma Xi.

## BIOGRAPHY OF SPEAKERS

### ***Symposium 1 - Building From The Bench*** **(Model Systems to Understand Disease Mechanisms)**



#### **Asst. Prof Lena Ho**

Assistant Professor  
Cardiovascular and Metabolic Disorders Programme  
Duke-NUS Medical School

Dr. Lena Ho is an Assistant Professor of Cardiovascular and Metabolic Disorders at Duke-NUS Medical School.

Dr. Ho received her PhD in Immunology from Stanford University and post-doctoral training in the Institute of Medical Biology (A\*STAR). She established the Endogenous Peptides Lab at Duke-NUS in 2017 as a National Research Foundation Fellow and a Howard Hughes International Research Scholar.

Dr. Ho is internationally recognized for her work on small-open reading frame (sORF)-encoded small peptides. Her work has contributed to the understanding of how these peptides function in the endocrine and metabolic systems, where they function as secreted hormones and mitochondrial peptides, respectively.

Dr. Ho's current research is focused on systematically defining the biological functions of sORF-encoded peptides, particularly those that participate in immune and metabolic regulation. Her team aims to target these peptides to improve metabolic disease, improve outcomes following microbial infection and alleviate chronic inflammation in various disease settings.

### ***Symposium 2 - Bespoke Healthcare*** **(Efforts to Tailor the Healthcare Journey for Patients)**



#### **Dr Tan Min-Han**

Founding CEO and Medical Director  
Lucence Health, Singapore

Dr. Tan Min-Han is the founding CEO and Medical Director of Lucence Health, a medical company that delivers liquid biopsy testing for earlier cancer detection in patients. Lucence operates twin CAP and CLIA laboratories in Singapore and Palo Alto, and is the first and only Asian-headquartered healthcare company to receive United States Medicare national insurance coverage for its technology services. Lucence has supported LIQUIK, a landmark study as the world's only head-to-head prospective multicenter study evaluating liquid biopsy in cancer care.

Dr Tan is a medical oncologist and clinical cancer geneticist who graduated from the National University of Singapore (NUS) in 1998, trained at the National Cancer Center Singapore and the Cleveland Clinic, and completed a PhD in molecular epidemiology and biostatistics at the Karolinska Institute and NUS. He led a research laboratory at A\*STAR from 2011, focusing on liquid biopsies, eventually founding Lucence as a spin-off company in 2017.



## BIOGRAPHY OF SPEAKERS

### ***Symposium 2 - Bespoke Healthcare*** ***(Efforts to Tailor the Healthcare Journey for Patients)***



#### **Dr Joe Yeong**

Group Leader  
Institute of Molecular and Cell Biology, A\*STAR, Singapore  
Department of Anatomical Pathology  
Singapore General Hospital

Dr. Joe Yeong's main research focus is to understand and overcome the resistance of immunecheckpoint blockade immunotherapy. As an immunopathologist, his key vision is to bridge between immunologists and pathologists to better harness the advances of immunotherapy and further beyond. He is the pioneer in automation of quantitative multiplex immunohistochemistry, using clinical autostainers to study and quantitate tumour immune microenvironment in clinical samples, and has published > 100 papers in this field. His works on cancer immunology are included in multiple National Medical Research Council funded studies as well as pharmaceutical industry sponsored projects (>14 million dollars since 2017). He also served as a committee member in the World Immunotherapy Council, Society for Immunotherapy of Cancer (SITC) and is one of the organizers for its 2019 & 2023 WIC Global Symposium as well as multiplex IF expert consensus meeting 2022. He also serves as Program Chair of one of the largest AI medical Imaging conferences, CLINICCAI-MICCAI. He is also having editorial role of Elsevier (Immunoinformatics), SLAS Technology (Journal), Frontiers, World Scientific (Chief Editor) and Pathogens. He serves as a Secretary (Executive) in Singapore Society of Oncology – Cancer Immunotherapy Consortium, Co-lead in Education/Diagnostic of Singhealth Duke-NUS Cell Therapy Centre as well as Advisor (Spatial Technology), Cancer Discovery Hub, National Cancer Centre. In 2023, he co-founded World Immunotherapy Council Asia for promoting tumor immunology and advancing cancer immunotherapy education, information and research across Asia.



#### **Dr Mark Tan Bangwei**

Clinical Lead  
Singapore General Hospital 3D Printing Centre  
Consultant, Department of Neuroradiology  
Singapore General Hospital

Dr Mark Tan Bangwei is a Radiologist and the Clinical Lead of the Singapore General Hospital 3D Printing Centre. Dr Tan has professional interests in the employment of imaging for the planning, rehearsal and performance of Head and Neck, Plastic and Reconstructive, Neurosurgical, Oncological, Orthopaedic and Cardiac surgeries. Dr Tan also has interests in designing and producing from medical imaging, patient-specific anatomical models for surgical rehearsal and implant sizing, surgical guides for localisation and reconstruction, appliances i.e. orthotics and prosthetics, as well as non-resorbable and bioresorbable implants for clinical care.

## BIOGRAPHY OF SPEAKERS

### ***Symposium 3 - Becoming Skilled*** ***(Creative Methods for Training / Education Delivery)***



#### **Adj. A/Prof Sabrina Koh**

Deputy Director, Nursing  
Nursing Education & Development  
Sengkang General Hospital

Sabrina Koh is the campus director, SIMS@SKH and an Adjunct Associate Professor at the Health & Social Sciences, Singapore Institute of Technology. She is specialized in critical care and medical/surgical nursing; an educator experienced in both academic and clinical nursing education. As an active simulationist, she conducts simulation faculty development program for simulation users and educators in Asia focusing on scenario designs, facilitation, debriefing and technical strategies. Faculty development in nursing education and simulation-based education are her main interests and passion.

She is a current member with the Society for Simulation in Healthcare (SSH); a sub-committee member for Quality and as a site reviewer with the SSH Accreditation Committee. Sabrina is also a member with CHSE blueprint review committee, SSH. She is a Certified Healthcare Simulation Educator - Advanced (CHSE-A) and a Fellow (FSSH) with the SSH Academy. She is immediate past President of PASSH and past Vice-President of SSHS.



#### **Ms Robyn Foo**

Principal Speech Therapist  
Speech Therapy Department  
Singapore General Hospital

Robyn is a Speech and Language Therapist with a focus on paediatric feeding, specializing in supporting infants and families in the neonatology unit. A graduate of the Maastricht Master of Health Professions Education programme, Robyn brings a nuanced understanding of educational principles to developing clinical education initiatives for the Speech Therapy Department. She also serves as an adjunct faculty member with the Singapore Institute of Technology Bachelor of Science programme in Speech and Language Pathology.



## BIOGRAPHY OF SPEAKERS

### ***Symposium 3 - Becoming Skilled*** ***(Creative Methods for Training / Education Delivery)***



#### **A/Prof Kevin Tan**

Director (Education) & Senior Consultant  
Department of Neurology  
National Neuroscience Institute

Dr Kevin Tan is a Senior Consultant Neurologist at the National Neuroscience Institute (NNI) and Associate Professor at Yong Loo Lin School of Medicine, National University of Singapore and Duke-NUS Medical School. He is Lead for the Centre for InterProfessional Healthcare Education (CIPHE), Academic Medical Education Institute, SingHealth Duke-NUS Academic Centre. He completed his Fellowship in Neuroinfectious Disease and Neuroimmunology at Johns Hopkins University (2008) and Master of Science in Health Professions Education at MGH Institute of Health Professions (2016). He is currently Program Director, Neuroimmunology-Neuroinflammation (NI-2) Program (NNI), Education Director (NNI) and Vice Chair (Education), Neuroscience Academic Clinical Program. His main clinical and research interests are CNS inflammatory diseases, immune-mediated neurological syndromes, neurological infections and HIV neurology. His medical education interests are team-based learning, innovations in teaching and assessment, clinical reasoning and interprofessional education.

### ***Symposium 4 - Beyond The Lab*** ***(Translational Efforts and Clinical Applications)***



#### **Prof Tan Eng King**

Deputy Chief Executive Officer (Academic Affairs)  
Office of Academic Affairs  
National Neuroscience Institute

Professor Tan Eng King is the Deputy Chief Executive Officer (Academic Affairs), and Senior Consultant with the Department of Neurology, National Neuroscience Institute (NNI). He is also a Professor at the Duke-NUS Medical School and Lee Kong Chian School of Medicine.

An influential figure in the field of research, Dr Tan has authored more than 500 peer-reviewed papers and book chapters on clinical and neuroimaging studies, functional genomics and experimental therapeutics in Movement Disorders.

He has served as an editor in Parkinsonism related disorders, European Journal of Neurology and Journal of Parkinson's disease, among several others. He has received various national and international accolades including the David Marsden lectureship and Yoshi Mizuno lectureship awards.

Dr Tan has broad research interest including epidemiology, neuroimaging, clinical and functional genomics and experimental therapeutics in Parkinson's disease, essential tremor and other movement disorders.

## BIOGRAPHY OF SPEAKERS

### ***Symposium 4 - Beyond The Lab*** ***(Translational Efforts and Clinical Applications)***



#### **Prof Gopal Iyer**

Head & Senior Consultant  
Department of Head & Neck Surgery  
Singapore General Hospital & National Cancer Centre Singapore  
Head, Division of Medical Sciences, National Cancer Centre Singapore  
Professor, Duke-NUS Medical School

Prof. Gopal Iyer is the Head, Department of Head and Neck Surgery in Division of Surgery and Surgical Oncology and Head, Division of Medical Sciences at National Cancer Centre Singapore. As part of the former, he leads a team of head and neck surgeons with extensive experience in the surgical management of head and neck cancers, as well as surgery for benign diseases in the head and neck.

He also leads a number of research programs that study various clinical and translational aspects of head and neck cancer, ranging from clinical trials, prognostic markers (clinical and translational), novel therapeutics, immune-oncology and health services research. He is the Principal Investigator of the Cancer Therapeutics Research Laboratory, where the over-arching theme is the identification of novel biomarkers that guide therapeutic decisions, identification of novel therapeutic targets and modification of conventional therapy for head and neck cancers for precision oncology.



#### **Prof Jenny Low Guek Hong**

Senior Consultant and Professor  
Department of Infectious Diseases  
Singapore General Hospital

Dr Jenny Low is a senior consultant with the Department of Infectious Diseases in Singapore General Hospital and Professor at the Emerging Infectious Diseases Programme at 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 and scientific director at the SingHealth Investigational Medicine Unit (IMU). Dr Low has been immersed in clinical research for more than 20 years. She has a long track record in conducting proof of concept and early phase clinical trials in acute viral diseases. She has tested several first-in-human therapeutics and biologics in humans including a therapeutic anti-yellow fever virus antibody. Her current research focus is on early phase adaptive clinical trials of viral therapeutics and vaccine development as well as understanding the role of the early immune responses in modulating the outcome of infection or vaccination. She has been twice awarded the National Clinician Scientist Award in 2016 and 2019 for her research in host immune response to viral infections.

## BIOGRAPHY OF SPEAKERS

### ***Symposium 5 - Befriending the Community (Healthcare Community Partnerships)***



#### **Adj. A/Prof Eugene Shum**

Director, Community Partnership  
SingHealth Office of Regional Health  
Chief Community Development Officer  
Changi General Hospital

Dr Eugene Shum is Director, Community Partnership at the SingHealth Office of Regional Health, and Chief Community Development Officer at Changi General Hospital. He has extensive experience in community engagement and facilitates the integration of health and social care services in the community. Through partnerships with community organisations, he has developed pioneering health-social initiatives such as the Neighbours for Active Living programme and CareLine, a 24/7 nationwide telecare service. Dr Shum was previously Director, Medical Affairs and Innovation at Khoo Teck Puat Hospital. He has held various portfolios at the Ministry of Health, Singapore.

Dr Shum is a preventive medicine physician. He obtained his MBSS from the National University of Singapore and his Master of Public Health from the Bloomberg School of Public Health, Johns Hopkins University. He is Adjunct Associate Professor at the Saw Swee Hock School of Public Health, National University of Singapore.



#### **Clin. Asst. Prof Lim Su Fee**

Deputy Director, Nursing (Advanced Practice Nurse)  
Nursing  
Singapore General Hospital

Dr Lim Su Fee is an Advanced Practice Nurse (APN) in Rehabilitation Medicine at the Singapore General Hospital. She did her rehabilitation specialist training at the Rehabilitation Institute of Chicago and Veterans Affairs Medical Centres in Houston and Durham.

Dr Lim teaches at academic institutions and supervises DNP and PhD students. Due to her wealth of experience, Dr Lim has been invited as guest speaker at many local and overseas conferences. She had won numerous awards, notably the President's Award for Nurses, which is the highest accolade in Singapore's nursing profession and AM•EI Golden Apple Generativity Award, which recognises educators who exemplify the spirit of Generativity through nurturing and mentoring. She is also the recipient of several research and innovative study grants.

Dr Lim is one of the pioneer collaborative prescribers who can prescribe medicines to patients under her care. Currently she is the nursing lead for RHS-led Community Nursing Programme. Her research interest is in population health.

## BIOGRAPHY OF SPEAKERS

### ***Symposium 5 - Befriending the Community (Healthcare Community Partnerships)***



#### **Dr Ad Maulod**

Senior Research Fellow  
Centre for Ageing Research and Education  
Duke-NUS Medical School

Ad Maulod is a cultural anthropologist and Senior Research Fellow at the Centre for Ageing Research and Education (CARE), Duke-NUS Medical School, Singapore. His research interest lies at the intersections of culture, medicine and the body. Since 2016, he has conducted interviews with over 700 older persons, and with those stories, translated cultural concepts of health and ageing into effective programme and policy interventions. Ad believes in the wisdom and empowerment of our elders by amplifying their stories and advocating for an inclusive, compassionate and just society for all-ages.

### ***Symposium 6 - From Awareness to Empowerment (Presented by SingHealth Duke-NUS Pain Centre)***



#### **Dr Diana Chan**

Head & Senior Consultant  
Department of Pain Medicine  
Singapore General Hospital

Dr Diana Chan is presently a senior consultant in the Division of Anaesthesiology, SGH, Head of Department of Pain Medicine in SGH and just appointed Pain SDDC Head. She was instrumental in driving the establishment of the Pain SDDC which aims to bring together pain and pain-related specialties within the Singhealth cluster to work together to improve our pain patients' journey. She did her pain fellowship in 2016 in Perth, WA, in Sir Charles Gairdner Hospital, and also completed her Masters of Clinical Investigation concurrently. Upon returning, she was tasked to set up and lead the pain unit in SKH. Subsequently she was then appointed Head of Department of Pain Medicine in SGH. She also recently obtained her Fellow of Interventional Pain Practice (FIPP) qualifications. Her interests lie in the clinical and interventional pain advancements in management of chronic pain conditions and also has published pain and anaesthesia-related research papers in high impact international journals. She also is a believer of complementary medicine and holistic care to pain conditions, herself having obtained a Graduate Diploma of Acupuncture.



## BIOGRAPHY OF SPEAKERS

### *Symposium 6 - From Awareness to Empowerment* (Presented by SingHealth Duke-NUS Pain Centre)



#### **Adj. Asst. Prof Singh Prit Anand**

Senior Consultant  
Anaesthesia & Surgical Intensive Care  
Changi General Hospital

Dr Singh Prit Anand is currently a Senior Consultant with the Department of Anaesthesia and Surgical Intensive Care at Changi General Hospital (CGH). He performs anaesthesia for general, urological and gynaecological surgery, trauma and orthopaedic surgery, breast and plastic surgery as well as ophthalmology. Dr Singh's interest are in chronic pain and dependence/addiction, ultrasound guided RA/pain interventions, multidisciplinary management of pain patients and crisis resource management simulation.



#### **Dr Koh Kim Hwee**

Clinic Director  
Pasir Ris Polyclinic  
SingHealth Polyclinic

Dr Koh Kim Hwee is Deputy Director of Clinical Services and Clinic Director of Pasir Ris Polyclinic in SHP. He is also a Consultant Family Physician by training and is an Adjunct Assistant Professor with Duke-NUS Medical School. He serves as the clinical lead for the SHP Musculoskeletal Workgroup as well as a member of the National One Rehab Musculoskeletal workgroup. He was the lead discussant for the Gout Appropriate Care Guide (ACG) Expert group and serve on the Advisory Committee for the Graduate Diploma in Sports Medicine. After completing his HMDP training on management of musculoskeletal pain in UK in 2019, he returned to set-up the MSK triage service in SHP in 2021.

## BIOGRAPHY OF SPEAKERS

### *Symposium 6 - From Awareness to Empowerment* (Presented by SingHealth Duke-NUS Pain Centre)



#### **Adj. Asst. Prof Philip Cheong**

Senior Principal Physiotherapist (Clinical)  
Department of Physiotherapy  
Singapore General Hospital

Dr. Philip Cheong is currently employed as a Senior Principal Physiotherapist at Singapore General Hospital (SGH). Before joining SGH, he gained valuable experience in public hospital and private practice settings in Perth, Western Australia. Dr. Cheong is a staunch advocate for person-centric care, emphasizing the importance of inter-professional collaboration, evidence-based practice, patient engagement, and respecting patients' values and choices in delivering quality health care.

In addition to his clinical work, Dr. Cheong plays an active role in educating healthcare professionals and is passionate about research and clinical innovation.

Dr. Cheong concurrently holds the positions of Director of Research at the SingHealth Duke-NUS Sports and Exercise Medicine Centre, and Adjunct Assistant Professor at the Singapore Institute of Technology.

His professional interests encompass musculoskeletal sciences, sports physiotherapy, risk-stratified care management, chronic pain management, and the integration of technology in healthcare delivery.



#### **Ms Constance Png Ai Li**

Senior Principal Clinical Psychologist  
Clinical Psychology  
Changi General Hospital

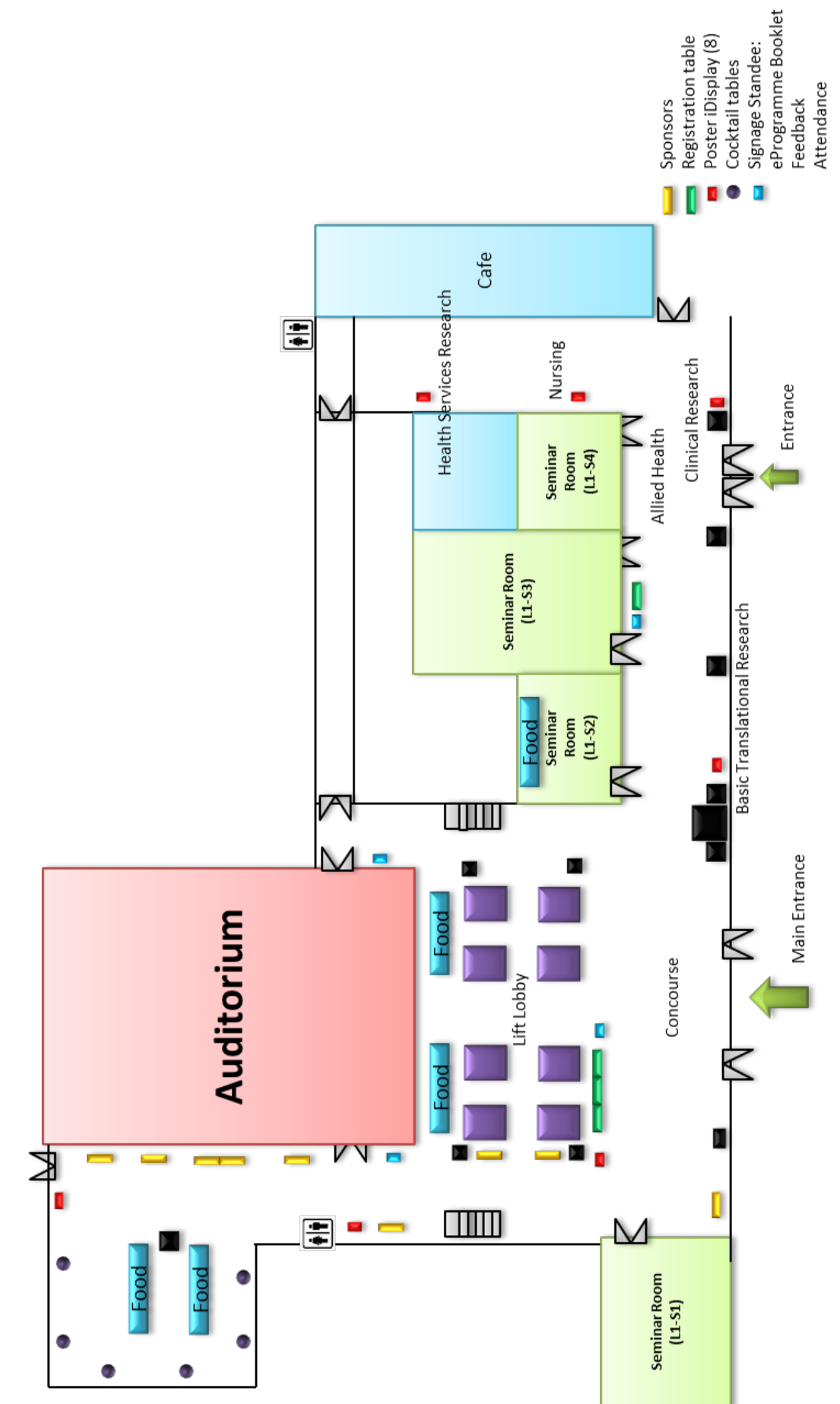
Ms Constance Png is a Senior Principal Clinical Psychologist and leads the team of psychologists at Changi General Hospital (CGH). An alumni of the National University of Singapore, she obtained her specialist qualification in Clinical Psychology from the University of Macquarie (Sydney, Australia) before joining Changi General Hospital (CGH) in 2007. Ms Png has been involved in research, education and clinical treatment related to adult mental health in the areas of mood disorders and post-traumatic stress disorder for the past 15 years. She has a special interest in sleep disorders and chronic pain, following training attachments at the Stanford University Sleep Clinic, California, in 2009 and the Chronic Pain Management Clinic in Fife, Edinburgh, in 2019.



## PANEL OF ABSTRACT JUDGES

<b>A/Prof Alvin Lim Soon Tiong</b>	Assistant Director, Pathology, Cytogenetics Laboratory, SGH
<b>Dr Andrea Kwa Lay Hoon</b>	Deputy Director, Pharmacy (Research), SGH
<b>A/Prof Elaine Siow</b>	Programme Leader, Bachelor of Science in Nursing - Master of Science in Nursing, SIT
<b>Dr Goh Mien Li</b>	Senior Nurse Educator, Evidence-Based Nursing Unit, Nursing Department, NUH
<b>A/Prof Javed Iqbal</b>	Senior Consultant, Department of Anatomical Pathology, SGH
<b>Asst Prof Jessica Ho</b>	Assistant Professor, Emerging Infectious Diseases Programme, Duke-NUS Medical School
<b>Prof Julian Thumboo</b>	Senior Consultant, Department of Rheumatology & Immunology, SGH
<b>Ms Kho Ying Ying</b>	Senior Principal Radiographer, Department of Radiography, SGH
<b>A/Prof Koh Tse Hsien</b>	Head & Senior Consultant, Department of Microbiology, SGH
<b>Prof Leopold Schmetterer</b>	Professor, Scientific Director and Head of Ocular Imaging, SERI
<b>A/Prof Liao Ping</b>	Deputy Director, Basic Science and Translational Research, NNI
<b>A/Prof Liu Yu-Chi</b>	Clinician Scientist, Corneal & External Eye Disease Department, SNEC
<b>Dr Loh Huey Peng</b>	Director of Nursing, SNEC
<b>Prof Louis Tong Hak Tien</b>	Senior Consultant, Corneal & External Eye Disease Department, SNEC
<b>Mr Manfred Mak Yaoquan</b>	Senior Principal Podiatrist, Podiatry Department, SGH
<b>Clin A/Prof Mariko Koh Siyue</b>	Senior Consultant, Department of Respiratory & Critical Care Medicine, SGH
<b>Prof Nicholas Graves</b>	Deputy Director, Health Services & Systems Research, Duke-NUS Medical School
<b>Dr Oh Hong Choon</b>	Deputy Director, Health Services Research, CGH
<b>Dr Pua Yong Hao</b>	Senior Principal Physiotherapist, Physiotherapy Department, SGH
<b>Ms Rafidah Bte Abu Bakar</b>	Senior Principal Radiographer, Division of Radiological Sciences, SGH
<b>A/Prof Rosemary Saunders</b>	Senior Lecturer, School of Nursing & Midwifery, ECU
<b>A/Prof Shawn Je Hyun Soo</b>	Associate Professor, Neuroscience and Behavioural Disorders Programme, Duke-NUS Medical School
<b>Asst Prof Shirin Kalimuddin</b>	Senior Consultant, Department of Infectious Diseases, SGH
<b>Dr Silvana Choo Xinyi</b>	Senior Principal Occupational Therapist, Occupational Therapy Department, SGH
<b>Dr Tan Hong Chang</b>	Senior Consultant, Department of Endocrinology, SGH
<b>Clin Prof Thng Choon Hua</b>	Head & Senior Consultant, Division of Oncologic Imaging, NCCS
<b>Prof Tony Lim Kiat Hon</b>	Chairman, Division of Pathology, SGH
<b>Prof Vinay Tergaonkar</b>	Professor, Department of Pathology and Department of Biochemistry, Yong Loo Lin School of Medicine, NUS
<b>A/Prof Wang Xiaomeng</b>	Associate Professor, Centre for Vision Research, Duke-NUS Medical School

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## ACKNOWLEDGEMENTS

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