

Family Medicine Academic Scholars' Programme (Junior Adjunct Faculty Scheme)

The Family Medicine Academic Scholars' Programme is a training programme for Family Medicine doctors to learn academic skills through individualised learning plans and supported with mentoring and supervision. This programme aims to develop clinician-scientists in Family Medicine, providing them with opportunities to experience research training in an academic setting.

The programme provides an entry point to academic work with exposure to research and a secondary focus on medical education. It enables clinicians to get a deep understanding of current standards of practice and to incorporate academic work in his/her career. NUHS and the NUS Yong Loo Lin School of Medicine are committed in supporting the academic development of polyclinics doctors and general practitioners (GPs).

Eligibility

To apply for the programme, you must -

- Possess a recognised Master of Medicine (Family Medicine) or equivalent qualification. In exceptional cases, those with Graduate Diploma of Family Medicine qualification will be considered.
- Practise in a family medicine setting
- Possess a strong interest in research

Programme Details

This part-time training programme -

- Will last for a period of 1 - 2 years
- This year's programme will start on 2 January 2025
- Consists of work in research and undergraduate education

For this programme, there is a formal support system of orientation, mentoring and supervision for research training with opportunities to undertake a higher research degree such as a PhD. Scholars will also undertake medical education activities to experience and learn skills in the delivery and planning of medical education items. The polyclinic and GP Scholars will have the benefit of peer support from one another. Successful applicants will receive salary support from NUS for 0.4 FTE computed from a post-graduate year 4 medical officer's salary. There will be an interview for eligible applicants before selection.

Training Programme

The Scholar will be trained in the following areas under supervision and mentorship:

Research Skills	Medical Education Skills
<ul style="list-style-type: none"> • Literature review, research proposal writing, and ethics application • Hands-on, team-based research project work in existing projects with opportunities to undertake his or her own research • Presentation skills • Scientific writing • Teaching other learners in research e.g. residents and medical students • Conference presentation • Apply for grants to fund projects (stretch goal) 	<ul style="list-style-type: none"> • Facilitation/feedback of consultation and clinical skills • Facilitation of large group teaching sessions • Reflecting, planning and ensuring the quality of specific workshops • Think critically about, gather data, and present in a peer-reviewed setting (e.g., conference) on a project related to an area of interest in medical education

Other Enquiries / Apply Now

Interested applications are to send their enquiries to Dr Goh Lay Hoon at mdcglh@nus.edu.sg or Dr Anna Szücs at anna.szuecs@nus.edu.sg.

To apply, please submit your completed application form and required documents to Ms Thahirah Binte Habib Mohd at mdcv543@partner.nus.edu.sg.

Application will close on **1 September 2024, 9.00am**.

Frequently Asked Questions (FAQs)

1. What are the aims and objectives of this programme?

The aim of this programme is to provide an opportunity for Family Medicine (FM) doctors to develop an interest in academic family medicine and primary care by learning through supervised participation primarily in research and secondarily in medical education.

Under supervision, the Scholars will achieve the following objectives:

- Participate in one research project(s) in the Department of Family Medicine (DFM) with supervision from the research supervisor and the research team.
- Learn research skills such as:
 - Answering suitable research questions to address important research gaps in FM or primary care practice.
 - Understanding and applying principles of research methodologies in a research project.
 - Analysing study findings and reaching a conclusion to answer the research question(s).
 - Working in a multidisciplinary research team.
- Disseminate study findings via publications or oral/poster presentation in a conference. This is encouraged but not mandatory.
- Apply for research seed grants to fund the research. This is encouraged but not mandatory.
- Participate in educational activities of the Department after discussion with the DFM Education Director. As much as possible, the educational activities should be aligned to the Scholar's research activities.

2. How much time will I spend in the Department of Family Medicine (DFM) in this programme?

You are expected to spend two days per week in DFM (approximately 100 days a year). In this period of time, you should spend a majority of your time participating in research activities which is the main focus of the programme. You are expected to spend about 80 hours in undergraduate medical education activities (10 days a year) in the first year. Education hours should be reduced in the second year to enable delivery of the research milestones.

3. How will I be supervised in this programme?

Research and education activities will be supervised by supervisors from DFM and support will be provided from the Department. You will receive written learning

objectives and deliverables for each activity. You should meet your supervisors on a regular basis. Activities and milestones will be recorded on the Scholars' report form. All activities are under the purview of the DFM Head of Department.

4. What are the deliverables in the programme?

For the first year

- Meet the assigned research and education supervisors at the beginning of programme to write a plan for the training programme.
- Subsequently, meet the supervisors at least once every two months to discuss and report on achieving the milestones of the activities.
- Participate in the training programme under supervision (see Table)
- Participate in Department meetings e.g., monthly department meetings, research meetings (namely, research business and research discussion meetings), and education meetings relevant to their education activities.
- Submit a progress report (template provided) 2 months before end of the first year.

Research

- Spend about 1.5 to 2 days a week on research, which is the main focus of the programme.
- Time spent should mostly be in-person in the Department.
- Participate in one main project assigned by the Head of Department (HoD) or Research Director. Majority of the Scholar's outputs for research will come from this main project.
- Scholars can help out with one or two other research projects as assigned by HoD or Research Directors.
- Scholars should not participate in any research projects without obtaining approval from the DFM Head of Department or Research Director.
- Trained in formal research programmes and under direct supervision at least for the first 12 months.
- Participate in the research teaching in the DFM.
- Submit a progress report about 2 months before end of the first year and end of the programme in the second year.

Education

- Participate in two to three key undergraduate education items and contribute 80 hours of teaching each year.

- The 80 hours comprise contact teaching, preparation time, and meetings in the first year e.g., 60 hours of contact teaching and 20 hours of preparation time and meetings.
- Education hours should be reduced in the second year to enable focus in research.

For the second year, if applicable:

- Discuss with research and education supervisors the plan for year two.
- Focus in the second year is on achieving the research milestones.
- Education hours must be reduced in the second year to enable focus on research. For example, reduce to 50-60 hours a year comprising contact teaching, preparation time, and meetings.
- Meet supervisors at least once in two months to discuss and report on achieving the milestones of the activities.
- Participate in the training programme under supervision (see Table).
- Participate in Department meetings.
- Submit a progress report 2 months before end of programme.

5. How will the Scholars be selected for this programme?

Scholars will be selected based on their responses in the application form. Interviews will be held before the final selection.

6. Would I be allowed to opt out of the programme midway?

The minimum duration for this programme is a year to optimise the learning opportunities for you. You will be encouraged to continue and complete the programme. If you encounter any issues, please alert DFM Head of Department or Research Director. The team will do our best to support you to complete the programme.

7. What evaluations are needed for this programme?

Scholars will complete the Scholars' report at mid-point and end-point of the programme. The report will document the Scholars' activities in the programme and can be used during feedback sessions with supervisors.

8. How can interested applicants sign up for this programme?

Interested applicants can send their enquiries to Dr Goh Lay Hoon at mdcglh@nus.edu.sg or or Dr Anna Szücs at anna.szuecs@nus.edu.sg

Polyclinic applicants should speak to their respective education/research head and clinic heads to obtain their endorsement before applying.

To apply, please send the completed application form and required documents to Ms Thahirah Binte Habib Mohd at mdcv543@partner.nus.edu.sg

Applications for the programme will close on 1 September 2024 at 9am.

Interviews of applicants with the DFM Head of Department and Research Director or their representatives will be held subsequently before final selection.

9. What projects can the Scholars be assigned to?

You can find the list of projects in *Annex A* of this document.

10. Are there other Scholars in the Programme?

We have eight Scholars since the programme started in 2020. The Scholars' activities and achievements during the time they spent in the programme can be found in *Annex B* of this document.

Annex A

EMERGING RESEARCH TOPICS in Family Medicine

1. Family in Family Medicine
2. Patient and family engagement in primary care safety
3. Routine use of patient reported information in Family Medicine outcomes, experiences and capabilities
4. Self-examination for tele-health
5. Healthier SG: care planning, patient and family empowerment, policy analysis

EMERGING RESEARCH METHODS

1. Evidence synthesis: scoping review, systematic review, meta-synthesis, meta-analysis
2. Qualitative research: interviews, focus groups
3. Survey methods

List of Projects

1. Late-life depression and help-seeking in primary care research programme

Supervisor: Dr Anna Szuecs

Late-life depression is often underdiagnosed and undertreated in primary care, leading to increased frailty, loss of autonomy and suicide risk in many older adults. Primary care plays a crucial role in the early detection and treatment of depression in older adults, whose self-awareness of mental illness tends to be lower than in younger age groups. This gatekeeper role has its own set of challenges in Singapore, given the short consultation times, the country's multi-ethnic population, and the lower depression literacy of older adults. This research programme aims to further our understanding of the barriers to depression detection in older primary care patients and use these findings to devise novel tailored educational interventions. The research programme encompasses several interconnected projects, ranging from systematic literature reviews to qualitative and quantitative cross-sectional studies. Applicants joining the programme will be able to choose from a diverse range of skillset to acquire in clinical research, such as evidence synthesis, qualitative data collection and analysis, quantitative study design, biostatistics, and scientific writing. Applicants will need to be self-driven and curious about the overall topic, however, their level of involvement and role(s) can be

flexibly discussed with the research team upon application and tailored to their interest.

2. Rational self-examination systematic reviews

Supervisors: Prof Jose Valderas and Dr Anna Szuecs

Remote consultations (telehealth) have been increasingly used in family medicine, as they represent cost-effective solutions for many types of routine check-ups and can also serve as an entry point for acute consultations in scenarios where in-person consultations are difficult. Yet, physical examination is usually completely missing from these consultations, with a few exceptions such as breast self-examination. It has nonetheless been proposed that adequately instructed patients could examine themselves and provide their physician with reliable and valid information, which can improve the diagnostic performance of tele-consultations in terms of sensitivity and specificity. The aim of this project is to review the existing literature on self-examination for a series of common conditions and synthesise it in the same form as the recently published [JAMA series on standard examination](#). Depending on the time at their disposal, the applicants taking up this project could consider focusing on one pathology (e.g., self-exam in appendicitis; self-exam in pyelonephritis) or several. They can expect to learn systematic evidence synthesis and scientific writing. They will be in charge of the project under the guidance of their mentors.

3. Chronic disease data project

Supervisor: Dr Goh Lay Hoon

National University Polyclinics (NUP) routinely collect patients' and clinic-based data as part of clinical work in particular for the provision of chronic care delivery. The electronic health records contain patient characteristics and other information that can be used to discover gaps in delivery of health services that impact on health outcomes. Improved clinical outcomes for chronic diseases has been associated with implementation of the guidelines in clinical practice. Presently, there is a lack of knowledge about the characteristics of the NUP patients with common chronic conditions in primary care in relation to their clinical outcomes and their adherence to treatment guidelines. The aim of this project is to i) profile the characteristics of a cohort of patients with diabetes, hypertension, hyperlipidemia, chronic kidney disease, osteoarthritis and depression; ii) measure adherence to annual chronic disease management guidelines process indicators; and iii) develop predictive models of adherence to process indicators and outcome indicators. Applicants are expected to join the team as a co-investigator; participate in literature review, data management, data analysis and dissemination, and work in a multidisciplinary research team. Applicants are also expected to meet the supervisor about 3 times a month, about 1-2 hours, to discuss their progress. Applicants can use a sub-study of the project for a scholarly activity.

4. Other Projects

Projects	Principal Investigator	Co-Investigator	Status
Diabetes/Chronic Disease			
Patient Reported Indicator Survey (PaRIS): Int. survey on outcomes and experiences of patients with chronic conditions	Dolf Boer (Institute for Health Services Research (NIVEL), Netherlands)	Jose Valderas	Ongoing
Strengthening the patient voice in health service evaluation: machine learning on free text comments from surveys and online sources	Øyvind Andresen Bjertnæs (Norwegian Institute for Public Health, Norway)	Jose Valderas	Ongoing
Implementing PROMs and PREMs in routine clinical care: assessment of requirements and impact	Garin O (Hospital del Mar Medical Research Institute, Spain)	Jose Valderas	Ongoing
Transforming chronic disease care management in the Singapore primary care setting using data-driven approaches	Lay Hoon Goh	Wilson Tam Stephanie van der Lubbe Jose Valderas Kavita Venkataraman Ling Zheng Jye Wayne Lee Dickens, Borame Sue Lee Ma Pei Evan Kontopantelis	Ongoing
The perspectives of patients with diabetes towards care and support planning (CSP) consultations in PACE-D	Victor Loh	Doris Young	Completed
The role of primary care networks in diabetes care delivery in Singapore	Goh Lay Hoon	Doris Young Rosalind Siah Tai E Shyong Anna Szuecs Monica Lazarus	Completed

Quality indicators for the detection and management of chronic kidney disease in primary care: an exploratory study using electronic medical record data in Singapore	Desmond Ong	Tang Xin Kai Goh Lay Hoon Ling Zheng Jye	Completed
Cancer Care			
The SPOTting Cancer among Comorbidities (SPOCC) programme. Supporting clinical decision making in patients with symptoms of cancer and pre-existing conditions	Gary Abel (University of Exeter, UK)	Jose Valderas	Ongoing
Following up on the follow up - Looking into breast cancer patients and their carers' views on follow-up care	Lim Fong Seng	Prof Linda He Dr Samuel Ow Dr Rose Fok Mr Mohd Sufyan	Completed
Mental Health			
Late-life depression and help-seeking research programme: <ul style="list-style-type: none"> • Depression literacy in older adults: a systematic review • Personality and help-seeking for emotional distress: a systematic review • General practitioners' perspective on late-life depression: a qualitative study 	Anna Szuecs	-	Ongoing
Primary care physicians' perspectives on the identification and management of postnatal mental health problems in primary care	Liow Yiyang	Monica Lazarus- Victor Loh Shefaly Shorey <i>Collaborators:</i> Jose Valderas Doris Young Cornelia Chee	Completed
Youth mental health in Singapore – A survey of the perspective of primary care physicians	Victor Loh	Monica Lazarus Doris Young Chua Ying Xian Guo Xiao Xuan Eugene Chua Leong Choon Kit John Wong	Completed

Healthy Longevity			
A multi-level approach to understanding the perceived barriers and enablers to participating in lifestyle intervention among multi-ethnic older adults with pre-frailty and frailty: A qualitative study	Richard Hui (NUP)	Janice Liew Dr Zhang Zhi Peng (CCK Poly site co-I) Dr Kwek Sing Cheer (BBK site co-I)	Ongoing
SCREEN II tool: Upstream Identification of Nutritional Risk and its Determinants amongst Patients ≥ 55 years old in Primary Care in Singapore	Tan Hwei Ming	Goh Lay Hoon Ruth Teh (University of Auckland, New Zealand) Chan Yiong Huak Verena Tan (Singapore Institute of Technology) Tan Wee Hian	Completed
Exploring the health seeking behaviour and utilization of primary health care services among older adults during COVID-19 pandemic: A qualitative study	Janice Liew (NUS)	Tan Hwei Ming Monica Lazarus	Completed
The development and validation of a patient-reported outcome measure for older people with frailty and acute care needs	van Oppen J, University of Leeds	Jose Valderas	Completed
Infectious Disease			
Primary Care Antimicrobial Stewardship (PC-AMS) Subtheme of CoSTAR-HS: Collaborative Solutions Targeting Antimicrobial Threats in Health Systems	Victor Loh, Meena Sundram (NUP)	Sky Koh Vivien Lee Doris Young	Ongoing
INTRePID: International Consortium of Primary Care Big Data Researchers	Goh Lay Hoon	Ling Zheng Jye	Ongoing
SENTIVAC: SENTINEL GP/FP cohort study to address COVID 19 VACCine uptake and hesitancy	Victor Loh	Leong Choon Kit Sky Koh Doris Young	Completed

Prescribing antibiotics in primary care for UTI (PRIOR-UTI)	Sky Koh	Victor Loh Doris Young Tracy Ng	Completed
Patient Safety			
Patient complaints within general practice in Singapore using the Healthcare Complaints Analysis Tool (General Practice): A mixed methods study	Sky Koh	Jose Valderas Queenie Quek Mehul Motani Tan Chong Min	Ongoing
Patient & Family Engagement Interventions on patients' safety in Primary Care Setting: a systematic review and meta-analysis	Pang Yan	Foon Leng Jose Valderas Anna Szuets Goh Lay Hoon Jaheeda Gangannagaripalli Nacho Ricci Cabello	Completed
Family Orientation			
Family orientation in family medicine	Alicia Ong	Anna Szuets Vivien Lee Monica Lazarus Jose Valderas	Ongoing
People with Disability			
Communication with Persons with Disabilities (PWD): Pre- and Post-workshop surveys	Vivien Lee	Victor Loh Jeffrey Jiang Anna Szucs	Ongoing

GRANTS

Name of Grants	PI	Status
Exploratory Study of Big Data in National University Polyclinics	Dr Lay Hoon Goh	On-going
SPriNT study	Dr Doris YOUNG	On-going
Following up on the follow-up: Breast cancer patients' & their carers views	Dr Fong Seng LIM	On-going
Postnatal mental health – Primary care physicians' perspective	Dr Yiyang LIOW	Closed
Primary care networks in Diabetes care delivery in Singapore	Dr Lay Hoon GOH	Closed
Quality indicators – CKD in primary care	Dr Desmond ONG	Closed

SENTIVAC – COVID-19 Vaccine communication & messaging	Dr Victor LOH	Closed
Youth mental health in Singapore – A perspective of primary care physicians	Dr Victor LOH	Closed

PUBLICATIONS (in alphabetical order)

2023

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Peng K, Tu K, Li Z, Hallinan CM, Laughlin A, Manski-Nankervis JA, LH Goh, et al. Global impacts of COVID-19 pandemic on sexual and reproductive health services: An international comparative study on primary care from the INTRePID Consortium. *Bjog*. 2023

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Annex B – Scholars’ Achievements

YEAR 2020 – 2022

Dr Desmond Ong

Projects

- Value-driven Outcomes (VDO) project in NUP
- Quality indicators for the detection and management of chronic kidney disease in primary care: an exploratory study using electronic medical record data in Singapore

Grants

- [NUHS Seed Grant] Quality Indicators for the Detection and Management of Chronic Kidney Disease in Primary Care: An Exploratory Study Using Electronic Medical Records

Conferences

- APMEC 2021: Turning Virtual into Reality: Using Zoom-enabled Simulated Clinical Training to substitute for live clinical training
- APMEC 2022: Field Observations in Primary Care: The Family Medicine Academic Project

Teaching

- Residency EBM Workshop – March 2022
- R1 Research Workshop – 2022

Forums

- Presented CKD study at NUP-DFM Research Forum in May 2022

Dr Liow Yiyang

Projects

- Principal Investigator: Perspectives of Primary Care Physicians on the identification and management of Postnatal Mental Health Problems in a multi-ethnic Asian country: a qualitative study —awarded NUHS FM/PC/HSR Seed Fund Grant of \$50,000 in March 2021, completed study, pending publication

Grants

- NUHS Primary Care Seed Grant awarded March 2021

Publications

- Liow, Y., Young, D., Stavdal, A., & Valderas, J. M. (2022). From Astana to Singapore: Primary Health Care is key to the long-term success of Singapore's health system. *Annals of the Academy of Medicine, Singapore*, 51(9), 528-530. <https://doi.org/10.47102/annals-acadmedsg.2022194>
- Koh, S. W. C., Liow, Y., Loh, V. W. K., Liew, S. J., Chan, Y. H., & Young, D. (2022). COVID-19 vaccine acceptance and hesitancy among primary healthcare workers in Singapore. *BMC primary care*, 23(1), 1-9. <https://doi.org/10.1186/s12875-022-01693-z>

- Liow, Y., Loh, V. W., Goh, L. H., Tan, D. H., Tan, T. L., Leong, C. K., & Young, D. Y. (2021). COVID-19 primary care response and challenges in Singapore: a tale of two curves. *Hong Kong Med J*, 27(1), 70-2. <https://doi.org/10.12809/hkmj208764>
- Liow, Y., Loh, V. W. K., & Young, D. (2020). 100 days on: the primary care response to COVID-19 in Singapore. *Singapore Med J*, 1, 8. <https://doi.org/10.11622/smedj.2018150>
- Tan, H. Q. M., Chin, Y. H., Ng, C. H., Liow, Y., Devi, M. K., Khoo, C. M., & Goh, L. H. (2020). Multidisciplinary team approach to diabetes. An outlook on providers' and patients' perspectives. *Primary Care Diabetes*, 14(5), 545-551. <https://doi.org/10.1016/j.pcd.2020.05.012>

Teaching

- Adjunct Lecturer, Department of Medicine, NUS Yong Loo Lin School of Medicine (NUSMed)
- Lead for NUSMed Phase 1 Patient-Based Programme (Polyclinic)
- Lead for NUSMed Phase 2 Clinical Skills Foundation Programme (Campus)
- Tutor for NUSMed Phase 3 Family Medicine Posting
- Physician Faculty for NUHS Family Medicine Residency Programme

Forums

- Presentation at NUP-DFM Research Forum in May 2022 on project titled 'Perspectives of Primary Care Physicians on the identification and management of Postnatal Mental Health Problems in a multi-ethnic Asian country: a qualitative study'

YEAR 2021 – 2023

Dr Sky Koh

Projects

- PI: PRescribing antIbiOtics in pRimary care for UTI (PRIOR-UTI) – Awarded Co-STAR-HS seed grant Feb 2022 (\$32,000)
- PI: Patient complaints within general practice in Singapore using the Healthcare Complaints Analysis Tool (General Practice): a mixed methods study – Awarded NUHS Family Medicine/Primary Care/Health Services Research (FM/PC/HSR) Seed Grant Mar 2022 (\$44,000)
- Co-I: Collaborative Solutions Targeting Antimicrobial Resistance Threats in Health Systems (CoSTAR-HS) – CAT 2 NMRC Grant (from 2021-2025, PI: Prof Hsu Li Yang, SSHSPH)
 - Main PI: Antibiotic prescribing in primary care clinics in Singapore: an observational study
 - Main PI: Routine antibiogram surveillance of urinary tract infections within primary care in Singapore: Linking clinical practice to resistance genes
 - Co-I: Antibiotic prescribing for Paediatrics in primary care clinics in Singapore: an observational study (PI: Dr Vivien Lee, NUP)
- Co-I: Addressing COVID-19 hesitancy and promoting population acceptance – NMRC COVID-19 Grant (from 2020-2022, PI: Prof May O'Lwin, NTU)
 - Main PI: Electronic mailbox study to address COVID-19 vaccine hesitancy

- Co-I: SENTIVAC (Sentiments of primary care providers on news regarding COVID-19 vaccination and measures) (PI: Dr Victor Loh, NUS)
- Co-I: Building a Value-Driven Primary Care for Singapore (from 2022-2026, PI: Dr Meena Sundram, NUP)
- Co-I: A cross-sectional study on weight perception and management across Singaporeans and their spouses (PI: A/Prof Tan Ker Kan, NUH)
- Co-I: Cardiometabolic Diseases in Primary Care (PI: Dr Nicholas Chew, NUH)
- Co-I: Exploratory Study of Big Data in National University Polyclinics (PI: Dr Goh Lay Hoon, NUS)
- Co-I: Diagnosis and management of UTIs in NUP: an observational study
- PI: Antibiotic prescribing for Paediatrics in Primary Care clinics in Singapore: an observational study
- Co-I: Observation of management of Acne vulgaris in primary care in Singapore with emphasis on Antibiotic usage: A retrospective study (Main PI: Dr Shipra Lather)
- Co-I: Understanding the Chronic Kidney Disease (CKD) landscape in primary care clinics in Singapore : A retrospective study (Main PI: Ms Koh Hui Qi)
- Site PI: Informatics-driven Nephrology evaluation and management optimization across multi-centres to improve care of chronic kidney disease (iNEMO project) (Main PI: Dr Chua Yan Ting)
- PI: Determining prevalence of neonatal jaundice and factors affecting jaundice resolution
- Co-I: Factors affecting appropriate antibiotic use in primary care in Singapore (Dr Ng Liyan)
- PI: Attrition in Family Medicine Residency: Insights from entry interviews

Grants

- Co-STAR-HS seed grant Feb 2022 (\$32,000)
- NUHS Family Medicine/Primary Care/Health Services Research (FM/PC/HSR) Seed Grant Mar 2022 (\$44,000)

Publications

- Koh, S. W. C., Tan, H. M., Lee, W. H., Mathews, J., & Young, D. (2022). Covid-19 vaccine booster hesitancy among healthcare workers: a retrospective observational study in Singapore. *Vaccines*, 10(3), 464. <https://doi.org/10.3390/vaccines10030464>
- Koh, S. W. C., Liow, Y., Loh, V. W. K., Liew, S. J., Chan, Y. H., & Young, D. (2022). COVID-19 vaccine acceptance and hesitancy among primary healthcare workers in Singapore. *BMC primary care*, 23(1), 1-9. <https://doi.org/10.1186/s12875-022-01693-z>
- Lau, S. S. M., Koh, S. W. C., & Lui, Y. S. (2021). Managing unhealthy alcohol use in general practice. *Singapore Medical Journal*, 62(2), 69. <http://doi.org/10.11622/smedj.2021016>
- Koh, S. W. C., Loh, V., Liow, Y., Leong, C. K., & Young, D. (2023). COVID-19 vaccination strategy in Singapore: perspectives and lessons from primary care. *Singapore Medical Journal*. <http://doi.org/10.4103/singaporemedj.SMJ-2021-405>
- Koh, S. W. C., Lee, V. M. E., Low, S. H., Tan, W. Z., Valderas, J. M., Loh, V. W. K., ... & Hsu, L. Y. (2023). Prescribing Antibiotics in Public Primary Care Clinics in Singapore: A Retrospective Cohort Study. *Antibiotics*, 12(4), 762. <https://doi.org/10.3390/antibiotics12040762>
- Anand, V. V., Goh, R. S. J., Nah, B., Koh, S. W. C., Lim, J., Neo, N. W., ... & Chew, N. W. (2023). General Public's knowledge, awareness, and perception of Cardiometabolic diseases: data from a Singapore study population. *Frontiers in Medicine*, 10, 1193829. <https://doi.org/10.3389/fmed.2023.1193829>

- Koh, S. W. C., Ng, T. S. M., Loh, V. W. K., Goh, J. C., Low, S. H., Tan, W. Z., ... & Tambyah, P. A. (2023). Antibiotic treatment failure of uncomplicated urinary tract infections in primary care. *Antimicrobial Resistance & Infection Control*, 12(1), 73. <https://doi.org/10.1186/s13756-023-01282-4>
- MOH Agency of Care Effectiveness (ACE). Clinical Guidance – Urinary Tract Infections: Appropriate diagnosis and antibiotic use for uncomplicated cystitis and pyelonephritis. Ministry of Health, Singapore. 2023
- Tan, V. H., Lim, A. S. M., Koh, S. W. C., Tan, J. H., & Hong, C. C. Empowering primary care in the management of toe fractures: a quality improvement project. *Singapore Medical Journal*, 10-4103. <http://doi.org/10.4103/singaporemedj.SMJ-2022-019>

Conferences

- Low SH, Lee VME, Koh SWC, et al. Prevalence and patterns of antibiotic prescribing for adults in primary care clinics in Singapore: an observational study. WONCA World Conference, 2023.
- Lee VME, Koh SWC, Valderas JM, et al. Prevalence and patterns of antibiotic prescribing for adults in primary care clinics in Singapore: an observational study. Singapore Primary Care Conference, 2023.
- Koh SWC, Tan HM, Lee WH, Mathews J, Young D. SG-APSIC1158: COVID-19 vaccine booster hesitancy among healthcare workers: A retrospective observational study in Singapore. *Antimicrobial Stewardship & Healthcare Epidemiology*. 2023;3(S1):s3-s4.
- Koh SWC, Keong VLW, Yiyang L, Kit LC, Young D. SG-APSIC1027: COVID-19 vaccination strategy in Singapore—Perspectives and lessons from primary care. *Antimicrobial Stewardship & Healthcare Epidemiology*. 2023;3(S1):s8-s8.
- Koh SWC, Yiyang L, Keong VLW, Jia LS, Yiong-Huak C, Young D. SG-APSIC1026: COVID-19 vaccine acceptance and hesitancy among primary healthcare workers in Singapore. *Antimicrobial Stewardship & Healthcare Epidemiology*. 2023;3(S1):s3-s3.
- Presented 3 posters at the 10th International Congress of the Asia Pacific Society of Infection Control (July 2022)

Teaching

- Supervisor for fellowship research project (Dr Ng Liyan) (2023)
- Supervisor for MPH research project (HALT-CKD coordinator Ms Koh Huiqi) (2023)
- Supervisor for UTI gaps research project (Dr Terrence Liew) (2023)
- Supervisor for patient complaints research project (Dr Eunice Wong, NUS students Ian Chia, Ethan Ching) (2023)
- Supervisor for neonatal jaundice project (NUS student Eldina Ho) (2023)
- Reporting Officer for 2 research assistants and 1 intern in NUP (2022 – Present)
- Reviewer for WONCA APR Conference (2024), *Annals of Academy of Medicine Singapore* (2023), *Singapore Medical Journal* (2022 – 2023), *Vaccines* (2022)
- Tutor for NUHS Family Medicine Residency EBM Workshop (2021, 2022, 2023)
- Tutor for NUHS Family Medicine Residency Research Workshop (2021, 2022)
- Supervisor for NUHS Family Medicine Residency Research Elective (2021)

Forum

- Antimicrobial Stewardship within Primary Care: Research in National University Polyclinics. Primary Care Antimicrobial Stewardship Symposium, National University of Singapore – Speaker (18 Nov 2023)

- Antibiotic treatment failure of uncomplicated urinary tract infections in primary care. Collaborative Solutions in AMR: Research Symposium, Singapore General Hospital – Presenter (16 Nov 2023)
- Interview on What is antimicrobial resistance?, 晨光聚焦 (Morning Focus) - Speaker (13 Nov 2023)
- Patient complaints within general practice in Singapore using the HCAT (GP). Research Forum: Engaging patient for patient safety: Elevate the voice of patients, Department of Family Medicine, National University of Singapore – Speaker (21 Sep 2023)
- Live Interview on Antibiotics study, 狮城有约 (Hello Singapore) – Speaker (19 May 2023)
- Chair, NUP-DFM Research Forum (May 2022)

Awards

- NUS DFM: Best Paper of the Year Award (2023)
- NUS DFM: Best Paper of the Year Award (2022)
- NUS DFM: Early Career Researcher of the Year Award (2022)

Dr Tan Hwei Ming

Projects

- SCREEN II: Upstream Identification of Nutritional Risks and its Determinants amongst Older Adults in Primary Care in Singapore (PI)
- Assessing COVID-19 booster uptake: An observational study (Site PI)
- Qualitative study exploring the perceived barriers and enablers to participating in lifestyle interventions amongst pre-frail and frail older adults (Co-I)
- Volunteerism in Prefrail Older Adults Improves Physical Function, Cognition and Enhances Resilience (Co-I)
- Research with Asia-Pacific Academic Primary Care Group - conceptualisation phase with team (Co-I)

Grants

- NUP Research Grant- SCREEN II: Upstream Identification of Nutritional Risks and its Determinants amongst Older Adults in Primary Care in Singapore

Publications

- Koh, S. W. C., Tan, H. M., Lee, W. H., Mathews, J., & Young, D. (2022). Covid-19 vaccine booster hesitancy among healthcare workers: a retrospective observational study in Singapore. *Vaccines*, 10(3), 464. <https://doi.org/10.3390/vaccines10030464>

Teaching

- Tutor for R1 Research workshop

YEAR 2022 – 2024

Dr Alicia Ong

Projects

- Primary Care oncology data project (PI)
- Help-seeking cancer symptoms project (PI)

- Referrals from polyclinic (PI)
- Time to treatment initiation and survivorship (PI)
- Family Orientation in Family Medicine - A scoping review (Co-I)
- Qualitative study - GPs' perspectives on LLD (collaborator)
- Value-driven outcomes Systematic Review (Collaborator)

Conferences

- WONCA 2023: Family orientation scoping review protocol
- CanTest School of early cancer detection 2022

Teaching

- Longitudinal program 2023 – 2024
- College (GDFM and MMED)
- Respiratory Workshop, Phase 3 Family Medicine Foundations Workshop
- Difficult Conversations Workshop, Phase 3 Family Medicine Foundations Workshop
- Family Medicine Residency Research Workshop

Forums

- Facilitator, Inaugural Primary Care Cancer Learning Series, Singapore PRImary Care Cancer NeTwork (SPriNT)

Dr Vivien Lee

Projects

- Family Orientation in Family medicine: a scoping review
- Antimicrobial use in Primary care
- Depression literacy in older adults: a systematic review
- Personality and help-seeking for psychological distress: a systematic review
- Late-life depression and help-seeking in Singapore - general practitioners' perspective
- Understanding the personality Features of Late-life Depression (UNFOLD): a mixed-methods study
- Attitudes of Medical Students and Tutors toward Persons with Disabilities after a Family Medicine teaching workshop

Publications

- Koh, S. W. C., Lee, V. M. E., Low, S. H., Tan, W. Z., Valderas, J. M., Loh, V. W. K., ... & Hsu, L. Y. (2023). Prescribing Antibiotics in Public Primary Care Clinics in Singapore: A Retrospective Cohort Study. *Antibiotics*, 12(4), 762. <https://doi.org/10.3390/antibiotics12040762>
- **Lee Min Er V**, Jiang J, Szűcs A, Loh V. Giving voice to persons with disabilities (PWD). *Med Educ.* 2023;1 - 2. <http://doi.org/10.1111/medu.15205>

Conferences (presented in 2021 and 2022)

- Poster presentation at Singapore Palliative Care Conference 2021: Journeying with a Patient's Loved Ones in the Face of Imminent Death: A Quality Improvement Project Addressing the Guidance & Education of Loved Ones of Dying Patients

Teaching

- Clinical lecturer at Yong Loo Lin School of Medicine
- M3 Communications with Persons with Disabilities workshop
- M3 Women's Health workshop
- M3 Family Medicine supervisor
- Family Medicine residency faculty
- Family Medicine residency research workshop
- Residents' Continuity Clinic preceptor
- Clinical teacher and practice facilitator, Lee Kong Chian School of Medicine

Awards

- NUS DFM: Best Paper of the Year Award (2023)
- NUS DFM: Educator of the Year (Undergraduate) Award (2023)

YEAR 2023 – 2025

Dr Jeffrey Jiang

Short BIO

- Graduated from the Yong Loo Lin School of Medicine, NUS in 2010 and later underwent residency and fellowship training in Family Medicine
- A registered Family Physician and currently practices at Jurong Community Hospital
- Actively involves in research and the teaching of medical students and postgraduate doctors
- A Core Faculty of the NUHS Family Medicine residency programme and has served as a member of the Family Medicine Examination Committee and as executive committee member of the Chapter of Family Medicine Physicians, Academy of Medicine Singapore

Research interests

- Multimorbidity
- Frailty
- Rehabilitation
- Medical Education

Publications

- Lee MEV, [Jiang J](#), Szücs A, Loh V. Giving voice to persons with disabilities (PWD). Medical Education. 2023 Nov;57(11):1135-1136.
- Ong L, Foong WYD, [Jiang J](#). "How should patients with dementia and food refusal be managed?" The Singapore Family Physician. 2023 Jul-Sep; 48(7): 52-56
- Lee JL, Jiang J. Flood Syndrome. Gastroenterology Research. 2022 Aug;15(4):217-224.
- Jiang J, Han AYY, Goh J. Association of the FRAIL scale with rehabilitation outcomes in the community hospital setting. Singapore Med Journal. 2022 Oct;63(10):585-592.
- Jiang J, Han AYY, Tan XL, Goh J, Tan BY. Frailty in a community hospital in Singapore: Prevalence and contributing factors. Aging Medicine and Healthcare, 2020; 11(2), 39–46.

- Jiang J, Can C, Chong TW. Adult-onset Still's disease in an elderly patient with fever of unknown origin after multiple trauma- A case report and literature review. *Journal of Clinical Gerontology & Geriatrics*. 2018; 9(2):72-76.

Dr Timothy James Hart

Short BIO

- Graduated with an MD from Duke-NUS Graduate Medical school in 2012, prior to which he worked in as a virologist in both Singapore and Germany
- Received his PhD in molecular virology from the University of Glasgow in 2004 and an MSc in Infectious Disease Control from the London School of Hygiene and Tropical Medicine in 2000
- Involves in academic teaching for the Yong Yew Lin School of Medicine
- Currently practices as a GP in Punggol

Research Interests

- Role of General Practitioners in Healthcare Provision
- Diagnostics
- Infectious Diseases

Publication

- Hart TJ, Tang WY, bte Mansoor Sa, Chio MTW, Barkham TS: Mycoplasma Genitalium in Singapore Is Associated with Chlamydia Trachomatis Infection and Displays High Macrolide and Fluoroquinolone Resistance Rates. *BMC Infect Dis*. 2020;20(1):314