

# RESEARCH INTEREST COLLABORATION LIST



Contact Us: [cs\\_academy@nus.edu.sg](mailto:cs_academy@nus.edu.sg)

The purpose of this list is to provide information on the research opportunities available to the NUHS community, and to help facilitate research collaboration and matching.

Last Updated: 01 July 2024

## Ang, Wei How Darryl

*PhD (Nursing)*

*Research Fellow, Alice Lee Centre for Nursing Studies,  
YLLSOM, NUS*

**Research Interest:** Psychological resilience,  
palliative and end of life care, oncology-hematology  
nursing

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<https://medicine.nus.edu.sg/nursing/our-people/our-faculty/research-fellows/ang-wei-how-darryl/>



## Chan, Kok Hong Dedrick

*MBBS, FRCS, DPhil*

*Consultant, Colorectal Surgery, NUH*

**Research Interest:** Driver mutations in normal tissue,  
cancer initiation, tumour evolution, tumour micro-  
environmental interaction, cell-cell competition and  
collaboration

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- Website: <https://discovery.nus.edu.sg/14477-kok-hong-dedrick-chan>



## Chen, Wenqian

*PhD*

*Assistant Professor, Pharmacy and Pharmaceutical  
Sciences, NUS*

**Research Interest:** Protein and peptide purification  
and formulation

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## Chew, Han Shi Jocelyn

*PhD (Nursing)*

*Assistant Professor, Alice Lee Centre for Nursing Studies,  
YLLSOM, NUS*

**Research Interest:** Digital health, health behavior change, obesity, eating disorders and weight management, cardiometabolic health, artificial intelligence

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- Website: <https://medicine.nus.edu.sg/nursing/our-people/our-faculty/assistant-professors/dr-chew-han-shi-jocelyn/>



## Chng, Wei Qiang

*MBBS, MRCPUK*

*Senior Resident, Dermatology, NUH*

**Research Interest:** Skin ageing

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## Choi, Yoon Seong

*M.D., PhD (Yonsei University College of Medicine, Seoul, Korea)*

*Assistant Professor, Diagnostic Radiology, YLLSOM, NUS*

**Research Interest:** Quantitative analysis of clinical neuroimaging for disease diagnosis and prognostication such as, neurodegenerative disease, cognition-related outcome, brain tumour (glioma, metastasis), etc.

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- Website: <https://scholar.google.co.kr/citations?hl=en&user=aQMjP5MAAAAJ>



## Chua, Wei Ling

*BSc (Nursing)(Hons), PhD (Nursing)*  
Assistant Professor, Alice Lee Centre for Nursing Studies,  
YLLSOM, NUS

**Research Interest:** Patient safety, sepsis: sepsis recognition, management, and outcomes after sepsis, redesigning nursing care delivery & job roles focusing on nursing staffing/skill-mix and patient safety/care quality

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## Crasta, Karen Carmelina

*PhD*  
Assistant Professor, Physiology, YLLSOM, NUS

**Research Interest:** Cell biology, cancer and aging, chromosomal instability, senescence, exosomes, cancer specific - biomarkers and therapy resistance

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## Ghate, Vinayak

*PhD*  
Lecturer, Food Science & Technology, NUS

**Research Interest:** Visible light disinfection of contact surfaces

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## Goh, Lay Hoon

*MBBS, MMed(Family Medicine), MClIn Epid, PhD*  
Senior Consultant, Family Medicine, NUP

**Research Interest:** Diabetes, chronic diseases, big data, decision support

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## **Hernandez-Marin, Sergio**

*MBA, Copenhagen Business School, Denmark*

*PhD Statistics and Artificial Intelligence, Heriot-Watt University, UK*

*MPhil Sciences et Technologies de l'information et de la communication, Telecom Bretagne, France*

*MEng Telecommunications, Telecom Bretagne, France*

*MEng Telecommunications, UPV, Spain*

*Associate Professor, Department of Statistics and Data Science, NUS*

*Director of Data Analytics Consulting Center*



**Research Interest:** Applied AI and data science

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## **Kuan, Win Sen**

*MBBS(S'pore), MRCSEd(A&E), MCI, FAMS*

*Senior Consultant/Research Director, Emergency Medicine, NUH*

**Research Interest:** Sepsis, respiratory diseases, emergency critical care, medtech

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## **Loh Ser Pheng, John**

*MBBS (UK), BDS (S'pore), MDS (Hong Kong)*

*Consultant, Oral and Maxillofacial Surgery, National University Centre for Oral Health, Singapore*

**Research Interest:** Medical device innovation, innovations in reconstructive surgery of the head and neck

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- Website: -



## Liu, Boxiang

*PhD(Stanford University)  
Assistant Professor, Pharmacy, NUS*

**Research Interest:** Genomics, QTL, cardiometabolic diseases, immune-related diseases, single-cell, cohort studies, data science and machine learning

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- Website: <https://pharmacy.nus.edu.sg/team/asst-prof-liu-shi/>



## Liu, Shi

*PhD  
Assistant Professor, Pharmacy, NUS*

**Research Interest:** Metabolic diseases, G protein-coupled receptors, human microbiota metabolites, peptide therapeutics, anticancer agents

- Email Address: [shiliu@nus.edu.sg](mailto:shiliu@nus.edu.sg)
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## Mattar, Citra

*MBBS, MRANZCOG, MMed(O&G),  
Associate Professor, Obstetrics and Gynaecology, NUS*

**Research Interest:** Gene therapy, HSC therapy, fetal therapy, machine learning, labour and delivery (obstetrics)

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## Sachaphibulkij, Karishma

*PhD  
Manager/Research Fellow, NUS-Cambridge Immune Phenotyping Centre, Life Sciences Institute, NUS*

**Research Interest:** Immunology

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- Website: <https://nus.edu.sg/lsci/nus-cambridge-immune-phenotyping-centre/>



## Schmidt, Laura Tham

*Master of Gerontology  
Senior Lecturer, Alice Lee Centre for Nursing Studies,  
YLLSOM, NUS*

**Research Interest:** Education, palliative, artificial intelligence in nursing education, community nursing, emergency

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## Seah, Betsy

*PhD  
Research Fellow, Alice Lee Centre for Nursing Studies,  
YLLSOM, NUS*

**Research Interest:** Social determinants of health and access of resources among older adults, healthy ageing, lifestyle behaviours, community care for older adults, salutogenesis, caregivers

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## Sia, Ching Hui

*MBBS, MCI, EMBA, MMed(Int Med), MRCP(UK), FAMS  
Consultant, Cardiology, NUH*

**Research Interest:** Cardiac imaging, neurocardiology/heart-brain interactions, cardiomyopathies, heart failure, novel cardiovascular risk factors

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## Sim, Ming Ann

*MBBS, MMed(Anaesthesia)  
Associate Consultant, Anaesthesia, NUH*

**Research Interest:** Blood-based biomarker

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## Sng, Jie Han Timothy

*BDS, MDS*

*Registrar/Academic Fellow, Dentistry (Oral and Maxillofacial Surgery), NUS*

**Research Interest:** Craniofacial development and disorders

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- Website: -



## Tam, Wai San Wilson

*BSc., M.Phil., PhD*

*Associate Professor/Director of Research, Alice Lee Centre for Nursing Studies, YLLSOM, NUS*

**Research Interest:** Risk factors for cardiovascular diseases (such as sleep apnea, metabolic disorders), methodological issues in meta-analysis, statistical analyses on health data

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## Tang, Si Zhao

*MD, MSc*

*Senior Resident, Diagnostic Imaging, NUH*

**Research Interest:** Neurovascular diseases and imaging, endovascular treatment in neurointervention, endovascular treatment devices, flow modeling in vascular aneurysms and treatment simulation softwares

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## Tay, Kai Xun Joshua

*MBBS(S'pore), PhD(Stanford) MRCS(Glasg),  
MMed(ORL, S'pore), FAMS(S'pore)  
Assistant Professor, Otolaryngology – Head & Neck  
Surgery, NUS  
Consultant, Otolaryngology – Head & Neck Surgery, NUH*



### **Research Interest:** Nasopharyngeal Cancer

We use a novel, specialised RNA-Seq technology for gene expression profiling from tiny amounts of formalin-fixed paraffin embedded (FFPE) tissue, with a success rate of 90% from <math><0.1\text{ mm}^2</math> of material, even from tissue more than 20 years old. We are interested to profile well-annotated clinical cohorts of patients to identify gene signatures for precision medicine. We also have a novel low-cost method for DNA methylation profiling for similar applications.

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- Website: -

## Venkataraman, Kavita

*MBBS, PhD  
Associate Professor, Saw Swee Hock School of Public  
Health, NUS*



### **Research Interest:** Diabetes, cardio-metabolic diseases, diabetic foot, peripheral arterial disease

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- Website: <https://sph.nus.edu.sg/faculty-directory/venkataraman-kavita/>

## Wan, Yi Min

*MB BCh BAO, LRCP & SI (NUI), MMed (Psych),  
MRCPsych (UK), MCI, PhD (pending)  
Senior Consultant, Psychiatry, NTFGH*

### **Research Interest:** Neuropsychiatry, consultation liaison psychiatry, movement disorders

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## Xu, Qing-hua

*PhD*

*Associate Professor, Chemistry, NUS*

**Research Interest:** Imaging guided therapy, phototherapy, two-photon imaging and therapy

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- Website: <https://chemistry.nus.edu.sg/people/xu-qing-hua>



## Yobas, Piyanee

*PhD (Nursing)*

*Associate Professor, Alice Lee Centre for Nursing Studies, YLLSOM, NUS*

**Research Interest:** Artificial intelligence in healthcare and education

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